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JAN 77 H D HILLIS, G C MILBORROW, M L REED

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AN OPERATIONAL VERSION
OF THE DEPOT PURCHASED EQUIPMENT MAINTENANCE
ALLOCATION MODEL

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JANUARY 1977

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allocation areas and can be done rather easily.

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ABSTRACT

The purpose of this study is to provide a narrative description of a cost allocation model for Depot Purchased Equipment Maintenance. The model is configured for the Honeywell 635 computer supporting remote terminals and batch remote facilities via a Honeywell 115 operating in an open shop environment. Included are the computer programs and samples of the output products. Although this report is peculiar to the Air Force Logistics Command's Directorate of Materiel Requirements at Wright-Patterson Air Force Base, it can easily be adapted for other cost allocation areas.

DPEM ALLOCATION MODEL

PREFACE

The identification of resource requirements to support the Depot Purchased Equipment Maintenance Program (DPEM) has previously been accomplished by showing only categories of weapon systems. Manual methods for achieving detailed requirements were considered economically unfeasible because of the manhours involved and the length of time needed for computation. The allocation model now provides AFLC command management visibility to a depth not previously available in the DPEM program.

The model enables management to establish broad standards that include, total budget available, desired distribution of available budget by customer, organic or contract, or element expenses, and the relative funding priority of weapon systems. The model applies these standards in the individual command validated AFLC requirements. The resulting products, in both detailed and summary form, are then used to determine the fiscal health of the DPEM program. The impact of the management decisions on individual weapon systems, or other areas of the standards identified above, is very apparent. The opportunity is then available to alter the test standards, recycle the model, and achieve more desired results.

To date, practical application of the model has been made in two areas. The model has been used to ascertain the command requirement with an FY 79 Program Objective Memorandum (POM) submission. FY 78 through 83 requirement were manipulated, with criteria tailored to the individual fiscal year. The resulting data was then used as the POM submission, with the product serving as finely detailed backup. To have accomplished this recently assigned task without the benefit of the model would have been extremely difficult at best, and no doubt would have commanded less confidence.

Second application is the current year (FY 77) where it is being utilized to identify the probable FY 77 closeout position. Ample time remains in the fiscal year to alter the program authorization, if deemed appropriate, and to achieve a more desirable closeout position.

In summary, the model provides visibility not previously available to HQ AFLC into the details of the annual program, and provide management the opportunity to more beneficially distribute the funds allocated to the DPEM program, minimize the impact of the relatively austere financing on the command and the USAF as applicable to the DPEM program.

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CHAPTER 1 INTRODUCTION

The details of research methodology which led to the construction of a test model for Depot Purchased Equipment Maintenance funding have already been documented in Working Paper No. 82, dated February 1975, A Program Allocation Model for Depot Purchased Equipment Maintenance, Squadron Leader Graham C. Milborrow, RAF, Directorate of Systems Management, DCS/Plans and Programs, Headquarters, Air Force Logistics Command (See Note). This initial study tried to identify the implicit and explicit criteria being used by AFLC agencies in the DPDM process. Research following the analysis phase was aimed at removing some of the subjectivity in the funding process in favor of using mission essentiality criteria.

The operational version of the model uses little of this philosophy however, and, apart from the use of weapon system prioritizing, none of the envisioned changes are included (i.e., use of marginal analysis to compute exchangeable item budget inclusions).

The operational DPDM allocation model basically provides HQ AFLC management (LORER) with a computational facility. Using this, LORER can manipulate \$ funding levels, as well as changing percentages assigned to different levels in the funding hierarchy (i.e., Organic Maintenance work versus Contract Maintenance work).

Despite this departure from the original research philosophy, AFLC management has, in the operational model, the ability to sensitivity-test different monetary allocations and funding emphasis, and observe the totality of the results of these actions. Thus, although the model has become merely a deterministic computational resource, it does fulfill the apparent management need for a "macro-calculator" to be used in formulating fiscal policy.

This paper, explains the mechanics of the model together with the details of its input formats, filing arrangements and report writing capabilities. Following this, the details necessary for operation of the model are explained.

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CHAPTER 2 CONSTRUCTION OF THE MODEL

Outline

The model is organized in three sections: the Data Extraction Process, the Allocation Process, and the Report Generator Process. COBOL is used as the programming language throughout except for two FORTRAN time-sharing subroutines.

Examples for the three sections of the Models programming are given in Appendix A1 thru A10.

Appendix B, depict FORTRAN samples.

Data Files Content samples are listed in Appendix C1 thru C6.

Examples of the output report formats for the three sections of the Model are shown in Appendices D thru I.

The Data Extraction Process

As Figure 1 shows, the data elements are extracted from the DPEM Data Bank and split into "common item" and "specific weapon system" applicabilities.

Programming focuses on the common items data at this stage. A "MISTR to MDS" tape containing Subprogram (Federal Stock Class/Materiel Management Code) and Model Design Series (MDS) data is input and used as a "look up" table. Both the MISTR tape and the common item file are first sorted by Logistics Subprogram Code (KS) and Fiscal Year (FY). The KS elements of the common item are made MDS peculiar. Both peculiar item data and that for the identified common items are then jointly sorted by MDS and WBS (Work Breakdown Structure Code).

At this point, a look up table is used to identify the actual weapon system for the MDS details. When this identification process is accomplished, the annotated data is written to a data file tape which is used as input for the Allocation Process.

The Allocation Process

The first action of the model in the Allocation Phase is to produce a permfile of the \$ requirements submitted by ALCs, a

permfile of percentage fundings to be applied to each element of expense, and a management report reflecting initial ALC \$ requirements. The latter output is to help management determine whether any changes to the percentage requirement levels are needed prior to running the model. The routine MODTOT.S carries out these actions as outlined in Figure 2.

Changes can be made by the manager to both the percentage funding levels for each EEI, and the \$ allocation to each customer within a specified fiscal year via FORTRAN time-sharing programs. Details of these procedures are given in Chapter 3.

Figure 3 covers the main allocation process. The budget figures for each customer (input by management via a TSS terminal) are broken down into their lowest elements of expense (repair group categories). The program identifies these elements of expense to their respective hierarchies of applicability, i.e., customer, draw codes, work type (organic/contract), and RGC code. This ensures element can be tracked easily throughout the allocation process.

The allocation process deals separately with two prior funding conditions. If the funding is greater than the requirement, the allocation process proceeds directly using the \$ requirements reported by the ALCs to the DPEM Data Bank. If the funding level is less than the requirement, the following process is implemented.

Each element of expense (RGC) has already been assigned a priority of funding by HQ AFLC Materiel Management (MURER letter, 3 February 1975 refers). This information is linked to certain set percentage funding levels and the program sets out this information in tabular form. Using this, the program calculates the \$ allocation for each element of expense (within O/C code, draw code, and CUS), and writes the allocated \$ total to a temporary file.

During the above process, the difference between the EEI \$ allocated by the priority rule and the EEI \$ allocated by percentage requirements input by TSS interface is calculated. If this difference is greater than \$5,000, a correction factor is then calculated, and applied to each \$ allocation (under the priority rule). This adjusts the priority rule percentage application to the \$ funding level available. The

results for this adjustment are then written to the allocated \$ tape for subsequent input to the Report Generator Process.

Report Generator Process

The third section of the model covers the output requirements as specified by HQ AFLC/LORER. Data elements are identified by the sub-headings. Fund reports are produced as follows:

1. DPEM Requirement - Allocation Summary by Model Design (Appendix D). This report gives the accumulated requirement and allocated dollars by Model Design.
2. DPEM Requirement - Allocation Summary by High \$ Burner Weapon System (Appendix E). Only pseudo codes with allocations in excess of \$500,000 are listed and summarized by ALC.
3. DPEM Requirement - Allocation Summary by Weapon System Priority (Appendix F). The data elements are listed by priority.
4. DPEM Requirement - Allocation Summary by Manager (Appendix G). The data elements listed are shown here by ALC.
5. DPEM Requirement - Summary by Customer, Organic/Contract, Draw Code, and Repair Group Category (Appendix H).

CHAPTER 3 OPERATING PROCEDURES

Introduction

Using the model requires the sequential running of two programs in the Data Extraction Process, two programs in the Allocation Process, and up to five programs in the Report Generator Process, depending on the needs of management. In addition, during the allocation process, there are two time-sharing interface routines (MODEL PCT and MODEL PCS) which allow management to set \$ budget levels and % funding requirements respectively.

To ease exposition of the running procedures, all inputs to a CREATE terminal, required of the operator, are shown as a series of annotated exhibits. These should be followed sequentially except where alternates are indicated.

In summary, the programs to be run in sequence are as follows:

```
Data      ( MODEXT.R
Extraction(
Process    ( MODWBS.R
           (
           ( MODMDS.S (Initiated by MODEXT.R)
```

See Exhibit 1

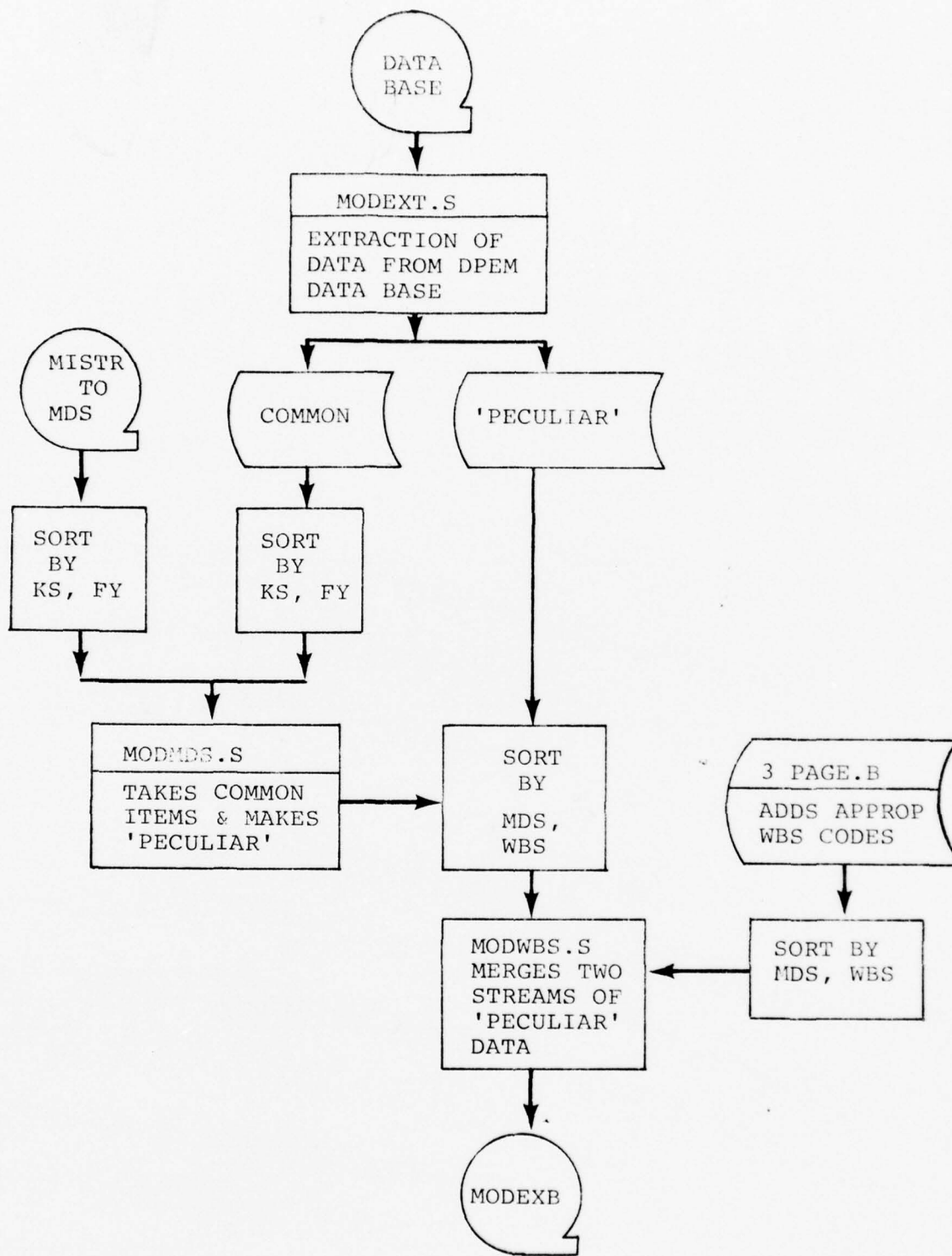
```
( MODTOT.R Initial report section.
```

```
Allocation(          MODEL PCT) TSS Interface
Process    (          MODEL PCS) programs.
           (
           ( MODALL.R
```

See Exhibit 2

```
Report      ( MODSUM.R
Generator    ( MOD500.R
Process      ( MODPRI.R
           ( MODALC.R
           ( MODREQ.R
```

See Exhibit 3



INPUT TO ALLOCATION
PHASE

FIGURE 1 - DPDM MODEL DATA EXTRACTION PROCESS

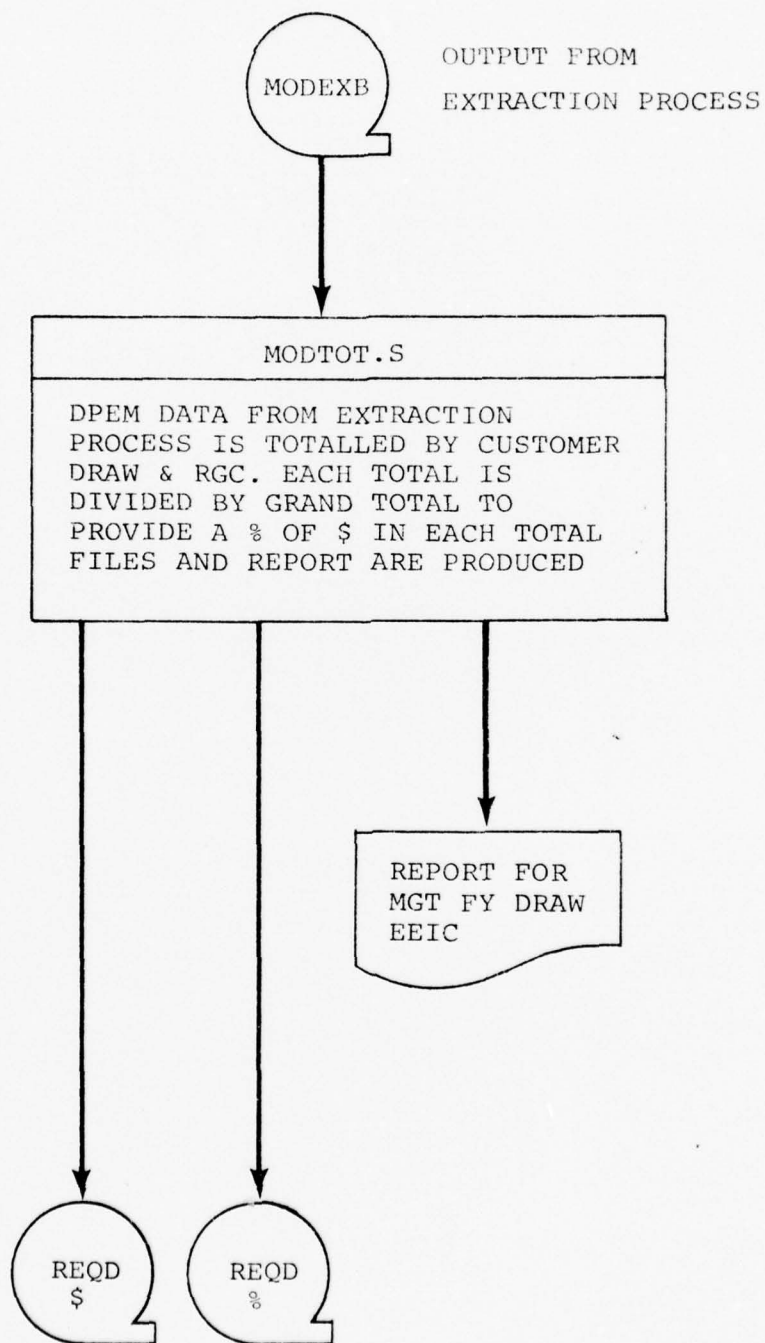


FIGURE 2 - DPDM MODEL ALLOCATION PROCESS - INITIAL REPORT SECTION

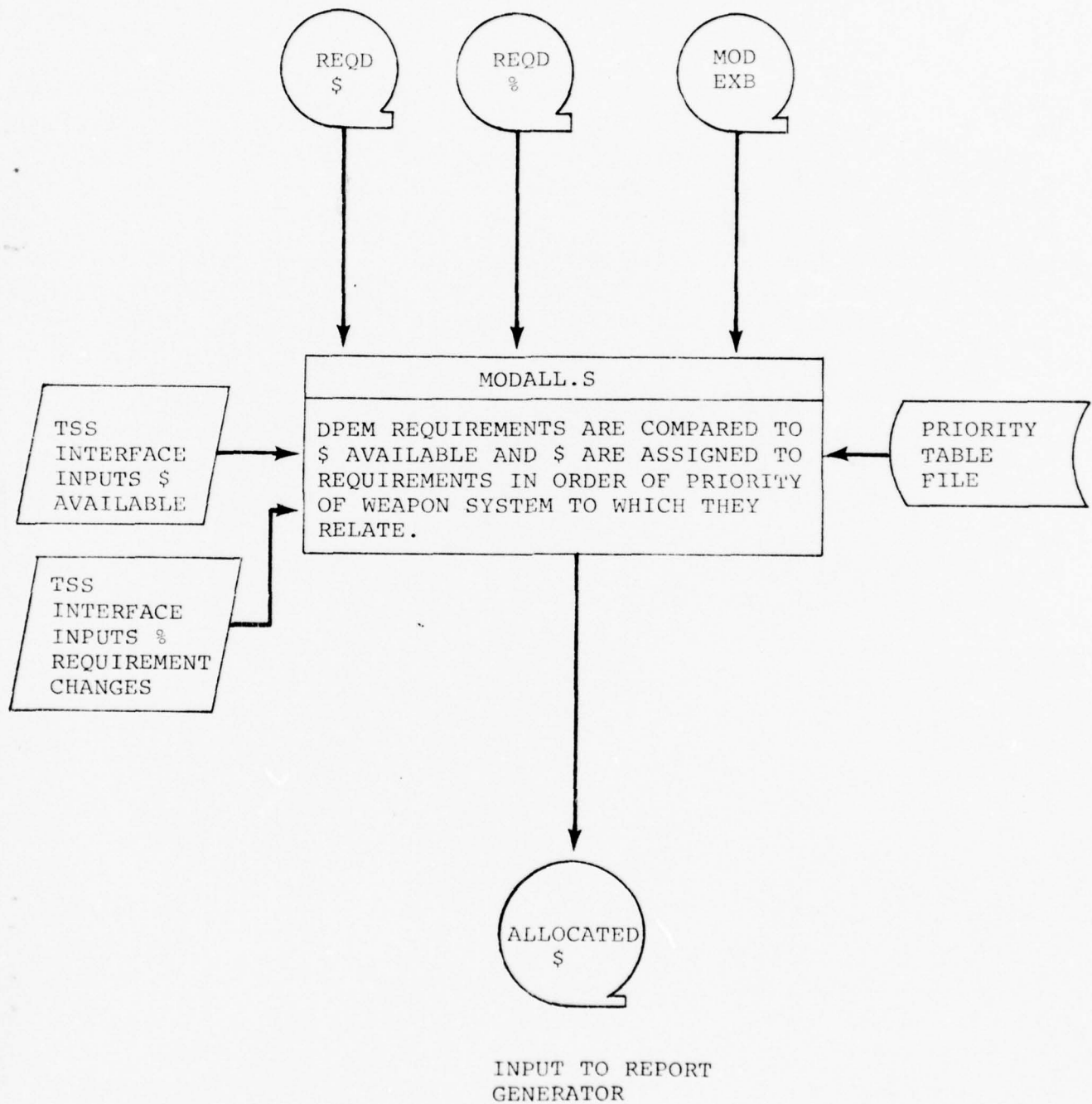


FIGURE 3 - DPDM MODEL ALLOCATION PROCESS - MAIN SECTION

EXHIBIT 1

Data Extraction Process

(a) SYSTEM ? CARD

OLD OR NEW O MODEXT.R

READY

* RUN

SNUMB # c048t

*

Diagnostic output can be obtained through the CREATE open shop 115 printer or the central site output center.

(b) SYSTEM ? CARD

OLD OR NEW O MODWBS.R

READY

* RUN

SNUMB # H041T

*

Diagnostic output produced as at (a) above.

EXHIBIT 2

Allocation Process

(a) SYSTEM ? CARD

OLD OR NEW O MODTOT.R

READY

* RUN

SNUMB D025t

A diagnostic output can be obtained through the CREATE Open Shop. As well as this, an initial report is produced. This enables management to see the DPEM requirement as it exists before any modification of the requirement or allocated budget has been decided. An example is given at Appendix I.

(b) SYSTEM ? FORT

OLD OR NEW O MODELPC.

See Appendix B.1

(c) SYSTEM ? FORT

OLD OR NEW O MODELPCS

See Appendix B.2

(d) SYSTEM ? CARD

OLD OR NEW O MODALL.R

READY

* RUN

All diagnostic output can be obtained through CREATE open shop or central site output control.

EXHIBIT 3

Report Generator Process

The following report generator program can be run as desired. Copies of these management reports are included at Appendixes D through I.

SYSTEM ? CARD

OLD OR NEW O MODSUM.R

READY

* RUN

Alternatively Substitute O MOD500.R

O MODPRI.R

O MODALC.R

O MODREQ.R

APPENDIX A.1

PROGRAM LISTING - MODEXT.R - MODEXT.S

CATALOG/FILE DESCRIPTION= RCS/MODEXT.R

```

010##N,R(AC)
020$:IDENT:WP0955,LOPER(81) CJW 72751 MODEXT.R
030$:LIMITS:15,,,9K
040$:GNAP:NDECK
050:600SM
060:SORT:FCB,,12
070:FIELD:(C4,C2)
075:SEQ:(A2)
080:PICK:SELECT,(2), (=6H 76)
090:FILCB:FCB,**,2
100:END
110$:EXECUTE
120$:LIMITS:15,,,5K
130$:TAPE:SA,X6DD,,73755,,DATABANK
140$:FILE:S1,X2R,5R
150$:FILE:S2,X3R,5R
160$:FILE:S3,X4R,5R
170$:TAPE:SZ,X1CD
180$:OPTION:COBOL,NONAP
190$:SELECT:RCS/MODEXT.O
200$:EXECUTE
210$:LIMITS:15,,,2K
220$:TAPE:AA,X1DL
230$:FILE:BB,X2S,6-L
240$:FILE:BC,X3S,2-L
250$:OPTION:NONAP
260$:GNAP:NDECK
270:600SM
280:SORT:FCB,,8
290:FIELD:(C4,C2,C1,C10)
300:SEQ:(A4,A2)
310:FILCB:FCB,**,2
320:END
330$:EXECUTE
340$:LIMITS:15,,,2K
350$:FILE:SA,X3R,2-L
360$:FILE:S1,S1R,5R
370$:FILE:S2,S2R,5R
380$:FILE:S3,S3R,5R
390$:FILE:S4,S4R,5R
400$:FILE:S7,X4S,2-L
410$:OPTION:NONAP
420$:GNAP:NDECK
430:600SM
440:SORT:FCB,,5
450:FIELD:(C12)
460:SEQ:(A1)
470:FILCB:FCB,**,2
480:END
490$:EXECUTE
500$:LIMITS:15,,,2K
510$:TAPE:SA,X5D,,74122,,BUDGET2
520$:FILE:S1,S1R,15R
530$:FILE:S2,S2R,15R
540$:FILE:S3,S3R,15R
550$:FILE:S4,S4R,15R
560$:FILE:S5,S5R,15R

```

570\$:FILE:S7,X6S,75L
580\$:OPTION:COBOL,NOMAP
590\$:SELECT:RCS/MODMDS.O
600\$:EXECUTE
610\$:LIMITS:15,,,2K
620\$:FILE:AA,X4R,20L
630\$:FILE:AB,X6R,60L
640\$:FILE:BB,X7S,210L
650\$:OPTION:NOMAP
660\$:GMAP:NDECK
670:600SE
680:SORT:FCB,,9
690:FIELD:(C17,C10,C1,C3)
700:SEQ:(A2,A4)
710:FILCB:FCB,**,2
720:END
730\$:EXECUTE
740\$:LIMITS:15,,,2K
750\$:FILE:SA,X2R,60L
760\$:FILE:SB,X7R,210L
770\$:FILE:S1,S1R,55R
780\$:FILE:S2,S2R,55R
790\$:FILE:S3,S3R,55R
800\$:FILE:S4,S4R,55R
810\$:TAPE:SZ,X8D,,74845,,MODRAN/RING
820\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODEXT.S

10##M,R(AC) : ,8,16;\,12,30
 20S:IDENT:WPO955,MNRER/DEW WALK 72751 MODEXT.S
 30S:LIMITS:15,,,9K
 40S:OPTION:NOMAP
 50S:COHOL:DECK
 60S:PRMFL:C*,W,S,RCS/MODEXT.O
 70:IDENTIFICATION DIVISION,
 80:PROGRAM-ID, MODEXT.
 90:ENVIRONMENT DIVISION,
 100:CONFIGURATION SECTION,
 110:SPECIAL-NAMES.
 120\COMPILE ERRORS,
 130:FILE CONTROL.
 140\SELECT INFILE ASSIGN TO AA.
 150\SELECT PECFILE ASSIGN TO BB.
 160\SELECT COMPILE ASSIGN TO BC.
 170:I-O-CONTROL.
 180\APPLY STANDARD ON INFILE PECFILE COMPILE.
 190:DATA DIVISION.
 200:FILE SECTION,
 210:FD INFILE
 220\LABEL RECORD STANDARD.
 230:01 INREC\PIC X(72).
 240:FD PECFILE
 250\LABEL RECORD STANDARD.
 260:01 PECREC\PIC X(48).
 270:FD COMPILE
 280\LABEL RECORD STANDARD.
 290:01 COMREC\PIC X(48).
 300:WORKING-STORAGE SECTION.
 310:77 INCONT\PIC 9(7) VALUE 0 COMP-1.
 320:77 COMCNT\PIC 9(7) VALUE 0 COMP-1.
 330:77 PECCNT\PIC 9(7) VALUE 0 COMP-1.
 340:77 DISCNT\PIC Z(6)9.
 350:77 DSUB\PIC Z9.
 360:77 SUB1\PIC 99 VALUE 0 COMP-1.
 370:77 SUB2\PIC 99 VALUE 0 COMP-1.
 380:77 INOT\PIC 9 VALUE 0.
 390:77 MEMTOTCNT\PIC 9(7) VALUE 0 COMP-1.
 400:77 NONDCNT\PIC 9(7) VALUE 0 COMP-1.
 410:01 IREC.
 420:03 IPC\PIC X(4).
 430:03 IFY\PIC XX.
 440:03 IRGC\PIC X.
 450:03 IKS\PIC X(10).
 460:03 INDS\PIC X(10).
 470:03 IWBS.
 480\ 05 FILLER\PIC X.
 490\ 05 WRSC.
 500\ 07 WS\PIC XX.
 510\ 07 FILLER\PIC X.
 520\ 05 FILLER\PIC X.
 530:03 IRIB.
 540\ 05 MEM\PIC 99.
 550\ 05 ITYP\PIC 99.
 560\ 05 FILLER\PIC 99.
 570:03 FILLER\PIC X.

```

580\03 ICUS\PIC XXX.
590\03 FILLER\PIC X(9).
600\03 IOC\PIC X.
610\03 FILLER\PIC X.
620\03 IFAC\PIC XX.
630\03 IALC\PIC XX.
640\03 FILLER\PIC X(9).
650\03 IDRAW\PIC X.
660\03 ISCODE\PIC X.
670\03 FILLER\PIC X(4).
680:01 OHDAEC REDEFINES IREC.
690\03 FILLER\PIC X(38).
700\03 IQ\PIC 9(7).
710\03 IH\PIC 9(9).
720\03 IDOL\PIC 9(7).
730\03 FILLER\PIC X(11).
740:01 OREC.
750\03 PC\PIC X(4).
760\03 FY\PIC XX.
770\03 RGC\PIC X.
780\03 KS\PIC X(10).
790\03 MDS\PIC X(1).
800\03 WBS\PIC X(5).
810\03 CUS\PIC XXX.
820\03 OC\PIC X.
830\03 FAC\PIC XX.
840\03 ALC\PIC XX.
850\03 DRAW\PIC X.
860\03 D\PIC 9(7).
870:01 TAB.
880:02 T1 OCCURS 2.
890\03 T2 OCCURS 7.
900\05 TD\PIC 9(7) OCCURS 3.
910:01 FYTAB.
920:02 F1 OCCURS 7.
930\03 TFY\PIC XX.
940:PROCEDURE DIVISION.
950:START-0.
960\OPEN INPUT INFILE OUTPUT PECFILE COMFILE.
970\MOVE SPACES TO FYTAB.
980\MOVE ZERO TO TAB.
990:READ-10.
1000\READ INFILE AT END GO TO END-60.
1010\ADD 1 TO INCNT.
1020\MOVE INREC TO IREC.
1030:CHECK-20.
1040\IF MEN = 00 AND ISCODE = "1" ADD 1 TO MEMTOTCNT
1050\GO TO READ-10.
1060\IF ITYP = 01 GO TO MOVE-30.
1070\MOVE INCNT TO DISCNT.
1080\DISPLAY "NO HDR REC***" IREC " REC NO. = " DISCNT.
1090\ADD 1 TO NOHDCNT.
1100\GO TO READ-10.
1110:MOVE-30.
1120\MOVE IPC TO PC.
1130\MOVE IFY TO FY MOVE IRGC TO RGC.
1140\MOVE IKS TO KS MOVE INDS TO MDS.
1150\MOVE IWBS TO WBS MOVE IFAC TO FAC.
1160\MOVE ICUS TO CUS MOVE IOC TO OC.
1170\MOVE IALC TO ALC MOVE IDRAW TO DRAW.

```

```

1180:PER-40.
1190\PERFORM READ-10.
1200\IF ITYP = 01 GO TO CHECK-20.
1210\MOVE J TO INOT.
1220\PERFORM PER-65 THRU EXIT-110.
1230\IF ITYP = 02 AND OC = "C" GO TO REQ-50.
1240\IF ITYP = 03 AND OC = "O"
1250\GO TO REQ-50.
1260\GO TO PER-40.
1270:REQ-50.
1280\MOVE IDOL TO D.
1290\MOVE 1 TO INOT.
1300\PERFORM PER-65 THRU EXIT-110.
1310\IF WBSC = "999" ADD 1 TO COMCNT
1320\WRITE COMREC FROM OREC GO TO PER-40.
1330\ADD 1 TO PECCNT.
1340\WRITE PECREC FROM OREC.
1350\GO TO PER-40.
1360:END-60.
1370\PERFORM DIS-120 VARYING SUB1 FROM 1 BY 1 UNTIL SUB1 > 7.
1380\DISPLAY " ".
1390\MOVE INCNT TO DISCNT.
1400\DISPLAY "NO. OF REC READ = " DISCNT.
1410\MOVE MEMTOTCNT TO DISCNT.
1420\DISPLAY "NO. OF MEMO TOTALS REC = " DISCNT.
1430\MOVE NOHDCNT TO DISCNT.
1440\DISPLAY "NO. OF NO HEADER REC = " DISCNT.
1450\MOVE COMCNT TO DISCNT.
1460\DISPLAY "NO. OF COMMON REC WRITTEN = " DISCNT.
1470\MOVE PECCNT TO DISCNT.
1480\DISPLAY "NO. OF PECULIAR REC WRITTEN = " DISCNT.
1490\CLOSE INFILE RECFILE COMFILE.
1500\STOP RUN.
1510:PER-65.
1520\MOVE 1 TO SUB1.
1530:IFY-70.
1540\IF IFY NOT = TFY (SUB1) GO TO SUB1-100.
1550:ITYP-80.
1560\MOVE 0 TO SUB2.
1570\IF ITYP = 02 AND OC = "C" MOVE 1 TO SUB2.
1580\IF ITYP = 03 AND OC = "O" MOVE 2 TO SUB2.
1590\IF ITYP = 04 MOVE 3 TO SUB2.
1600\IF ITYP > 04 GO TO EXIT-110.
1610\IF INOT = 1 ADD D TO TD (2,SUB1,SUB2) GO TO EXIT-110.
1620:IDOL-90.
1630\ADD IDOL TO TD (1,SUB1,SUB2).
1640\GO TO EXIT-110.
1650:SUB1-100.
1660\IF TFY (SUB1) = SPACE MOVE IFY TO TFY (SUB1)
1670\GO TO ITYP-80.
1680\ADD 1 TO SUB1.
1690\IF SUB1 > 8 DISPLAY "FY ERROR***" IFY
1700\      IREC = " IREC STOP RUN.
1710\GO TO IFY-70.
1720:EXIT-110.
1730\EXIT.
1740:DIS-120.
1750\DISPLAY " " DISPLAY " ".
1760\MOVE SUB1 TO DSUB.
1770\DISPLAY "FY(" DSUB ") = " TFY (SUB1).

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1780\DISPLAY "DOLLARS IN",
1790\DISPLAY "02 CONTRACT = " TD (1,SUB1,1).
1800\DISPLAY "03 ORGANIC = " TD (1,SUB1,2).
1810\DISPLAY "04 TOTAL = " TD (1,SUB1,3).
1820\DISPLAY "DOLLARS OUT",
1830\DISPLAY "02 CONTRACT = " TD (2,SUB1,1).
1840\DISPLAY "03 ORGANIC = " TD (2,SUB1,2).
1850\DISPLAY "04 TOTAL = " TD (2,SUB1,3).
1860\$:ENDJOB

APPENDIX A.2

PROGRAM LISTING - - - MODMDS.S

CATALOG/FILE DESCRIPTION= RCS/MODMDS.S

10##M,R(AC) : ,8,16; \,12,30
 205:IDENT:WPO955,MMRER/DEW 72751 MODMDS.S
 305:LIMITS:15,,,9K
 405:OPTION:NOMAP
 505:COBOL:DECK
 605:PRMFL:C*,W,S,RCS/MODMDS.O
 70:IDENTIFICATION DIVISION.
 80:PROGRAM-ID. MODMDS.
 90:ENVIRONMENT DIVISION.
 100:CONFIGURATION SECTION.
 110:SPECIAL-NAMES.
 120\COMPILE ERRORS.
 130:FILE CONTROL.
 140\SELECT COMPILE ASSIGN TO AA.
 150\SELECT MDSFILE ASSIGN TO AB.
 160\SELECT OTFILE ASSIGN TO BB.
 170:1-O-CONTROL.
 180\APPLY STANDARD ON COMPILE MDSFILE OTFILE.
 190:DATA DIVISION.
 200:FILE SECTION.
 210:FD COMPILE
 220\LABEL RECORD STANDARD.
 230: 1 COMREC\PIC X(48).
 240:FD MDSFILE
 250\LABEL RECORDS STANDARD.
 260: 01 MDSRFP\PIC X(30).
 270:FD OTFILE
 280\LABEL RECORD STANDARD.
 290: 01 OTREC\PIC X(48).
 300:WORKING-STORAGE SECTION.
 310:77 COMCNT\PIC 9(7) VALUE 0 COMP-1.
 320:77 MDSCNT\PIC 9(7) VALUE 0 COMP-1.
 330:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
 340:77 DISCNT\PIC Z(6)9.
 350:77 DOLCNT\PIC Z(6)9.
 360:77 NEGCNT\PIC -(6)9.
 370:77 TESCNT\PIC Z(6)9.
 380:77 DIF\PIC S9(7) VALUE 0 COMP-1.
 390:77 SUB1\PIC 9(4) VALUE 0 COMP-1.
 400:77 TKSFP\PIC X(12).
 410:77 SUB2\PIC 9(4) VALUE 0 COMP-1.
 420:77 SUB3\PIC 99 VALUE 0 COMP-1.
 430:77 SUB4\PIC 99.
 440:77 SUB4\PIC 99 VALUE 0 COMP-1.
 450:77 INOT\PIC 9 VALUE 0.
 460:77 PCT-TOT\PIC 99V99999 VALUE 0 COMP.
 470:77 PCTD\PIC ZZ9.99999.
 480:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
 490:77 HFPY\PIC XX.
 500:77 HOC\PIC X.
 510:77 HRFAG\PIC X VALUE SPACE.
 520:77 COMFLAG\PIC X VALUE SPACE.
 530: 01 CREC.
 540\ 03 PC\PIC X(4).
 550\ 03 FY\PIC XX.
 560\ 03 RGC\PIC X.
 570\ 03 KS\PIC X(10).

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580\03 MDS\PIC X(1),
590\03 WBS\PIC X(5),
600\03 CUS\PIC XXX,
610\03 OC\PIC X,
620\03 FAC\PIC XX,
630\03 ALC\PIC XX,
640\03 DRAW\PIC X,
650\03 CD\PIC 9(7),
660:01 MREC,
670: 02 MKSFY,
680\03 MKS\PIC X(1),
690\03 MFY\PIC XX,
700: 02 MMDS\PIC X(10),
710: 02 MPCT\PIC X(6),
720: 02 PCT REDEFINES MPCT PIC 9V99999,
730: 02 FILLER\PIC XX,
740:01 OREC,
750\03 PC\PIC X(4),
760\03 FY\PIC XX,
770\03 RGC\PIC X,
780\03 KS\PIC X(10),
790\03 MDS\PIC X(1),
800\03 WBS\PIC X(5),
810\03 CUS\PIC XXX,
820\03 OC\PIC X,
830\03 FAC\PIC XX,
840\03 ALC\PIC XX,
850\03 DRAW\PIC X,
860\03 D\PIC 9(7),
870:01 RECTAB,
880\03 TREC\PIC X(48) OCCURS 100,
890\03 DS\PIC 9(7) COMP-1 OCCURS 100,
900:01 CKSFY,
910\03 CKS\PIC X(1),
920\03 CFY\PIC XX,
930:01 TAB,
940: 02 T1 OCCURS 3,
950\03 T2 OCCURS 7,
960\ 05 TD\PIC 9(7) OCCURS 2,
970:01 FYTAB,
980: 02 F1 OCCURS 7,
990\03 TFY\PIC XX,
1000:01 DIETAB,
1010\03 DIFCNT\PIC S9(7) COMP-1 OCCURS 7,
1020:PROCEDURE DIVISION,
1030:START-0,
1040\OPEN INPUT COMPILE MDSEFILE OUTPUT OTFILE,
1050\MOVE SPACES TO FYTAB,
1060\PERFORM ZERO-86 VARYING SUB2 FROM 1 BY 1 UNTIL
1070\SUB2 > 100,
1080:READ-10,
1090\READ MDSEFILE AT END MOVE "Z" TO MDFLAG GO TO EXIT-15,
1100\MOVE MDSREC TO MREC,
1110\ADD 1 TO MDSCNT,
1120:EXIT-15,
1130:EXIT,
1140:READ-20,
1150\READ COMPILE AT END MOVE "Z" TO COMFLAG GO TO EXIT-25,
1160\MOVE COMREC TO CREC,
1170\ADD 1 TO COMCNT,

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1180\MOVE KS OF CREC TO CKS MOVE FY OF CREC TO CFY.
1190\PERFORM MOVE-150.
1200\MOVE C TO INOT.
1210\PERFORM PER-95 THRU EXIT-140.
1220:EXIT-25.
1230\EXIT.
1240:CHECK-30.
1250\IF COMFLAG = "Z" GO TO END-90.
1260\IF MDFLAG = "Z" PERFORM DIS-35 DISPLAY "EARLY END ON COMFILE"
1270\GO TO END-90.
1280\IF MKSFY < CKSFY PERFORM READ-10 THRU EXIT-15
1290\GO TO CHECK-3.
1300\IF MKSFY = CKSFY GO TO EQUAL-40.
1310:DIS-35.
1320\DISPLAY "KS AND/OR FY NOT FOUND " CKSFY
1330\ " INPUT REC = " CREC.
1340\ADD 1 TO NOCNT.
1350\PERFORM MOVE-150.
1360\MOVE 2 TO INOT.
1370\PERFORM PER-95 THRU EXIT-140.
1380:GO-37.
1390\GO TO READ-20.
1400:EQUAL-40.
1410\MOVE 1 TO SUB1.
1420\MOVE C TO D.
1430\MOVE C TO PCT-TOT.
1440\MOVE CKSFY TO TKSFY.
1450:MOVE-50.
1460\IF SUB1 > 100 DISPLAY "TABLE OVERFLOW" GO TO END-90.
1470\MOVE CORR CREC TO OREC.
1480:MOVE-60.
1490\ADD CD TO D.
1500\MOVE OREC TO TREC (SUB1).
1510\PERFORM READ-20 THRU EXIT-25.
1520\IF COMFLAG = "Z" GO TO PER-70.
1530\IF MKSFY NOT = CKSFY GO TO PER-70.
1540\IF RGC OF CREC = RGC OF OREC AND
1550\ALC OF CREC = ALC OF OREC AND
1560\CUS OF CREC = CUS OF OREC AND
1570\WBS OF CREC = WBS OF OREC AND
1580\FAC OF CREC = FAC OF OREC AND
1590\OC OF CREC = OC OF OREC AND
1600\MDS OF CREC = MDS OF OREC AND
1610\DRAW OF CREC = DRAW OF OREC AND
1620\PC OF CREC = PC OF OREC GO TO MOVE-60.
1630\MOVE C TO D.
1640\ADD 1 TO SUB1.
1650\GO TO MOVE-50.
1660:PER-70.
1670\EXAMINE MPCT REPLACING ALL " " BY "0".
1680\ADD PCT TO PCT-TOT.
1690\PERFORM MULT-80 VARYING SUB2 FROM 1 BY 1 UNTIL SUB2 > SUB1.
1700\PERFORM READ-10 THRU EXIT-15.
1710\IF MDFLAG = "Z" GO TO IF-75.
1720\IF TKSFY = MKSFY GO TO PER-70.
1730:IF-75.
1740\IF PCT-TOT < .99 OR PCT-TOT > 1.01 MOVE PCT-TOT TO PCTD
1750\DISPLAY "*****BAD TOTAL " PCTD " FOR " TKSFY.
1760\MOVE C TO PCT-TOT.
1770\PERFORM COMP-85 VARYING SUB2 FROM 1 BY 1 UNTIL

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1780\SUB2 > SUB1.
1790\PERFORM ZERO-86 VARYING SUB2 FROM 1 BY 1 UNTIL
1800\SUB2 > SUB1.
1810\GO TO CHECK-3.
1820\MULT-80.
1830\MOVE TREC (SUB2) TO OREC.
1840\MULTIPLY PCT BY D OF OREC ROUNDED.
1850\ADD D OF OREC TO DS (SUB2).
1860\MOVE HMDS TO MDS OF OREC.
1870\PERFORM MOVE-160.
1880\MOVE 1 TO INOT.
1890\PERFORM PER-95 THRU EXIT-140.
1900\WRITE OTREC FROM OREC.
1910\ADD 1 TO OTCNT.
1920\COMP-85.
1930\MOVE TREC (SUB2) TO OREC.
1940\MOVE 1 TO SUB3.
1950\PERFORM FMOVE-87 THRU EXIT-88.
1960\COMPUTE DIF = DS (SUB2) - D OF OREC.
1970\ADD DIF TO DIFCNT (SUB3).
1980\FMOVE-87.
1990\IF FY OF OREC = TFY (SUB3) GO TO EXIT-88.
2000\ADD 1 TO SUB3.
2010\IF SUB3 > 8 DISPLAY "FY ERROR***" FY OF OREC
2020\" OREC = " OREC STOP RUN.
2030\GO TO FMOVE-87.
2040\EXIT-88.
2050\EXIT.
2060\ZERO-86.
2070\MOVE 0 TO DS (SUB2).
2080\END-90.
2090\PERFORM DIS-170 VARYING SUB3 FROM 1 BY 1 UNTIL SUB3 > 7.
2100\DISPLAY " ".
2110\MOVE COMCNT TO DISCNT.
2120\DISPLAY "NO. OF COM REC READ = " DISCNT.
2130\MOVE MDSCNT TO DISCNT.
2140\DISPLAY "NO. OF MSTR REC READ = " DISCNT.
2150\MOVE NOCNT TO DISCNT.
2160\DISPLAY "NO. OF COM REC NOT FOUND = " DISCNT.
2170\MOVE OTCNT TO DISCNT.
2180\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
2190\CLOSE COMFILE MDSFILE OTFILE.
2200\STOP RUN.
2210\PER-95.
2220\MOVE 1 TO SUB3.
2230\HFY-100.
2240\IF HFY NOT = TFY (SUB3) GO TO SUB3-130.
2250\MOVE-110.
2260\MOVE 0 TO SUB4.
2270\IF HOC = "C" MOVE 1 TO SUB4 ELSE MOVE 2 TO SUB4.
2280\IF INOT = 1 ADD D TO TD (2,SUB3,SUB4)
2290\GO TO EXIT-140.
2300\IF INOT = 2 ADD CD TO TD (3,SUB3,SUB4)
2310\GO TO EXIT-140.
2320\IDOL-120.
2330\ADD CD TO TD (1,SUB3,SUB4).
2340\GO TO EXIT-140.
2350\SUB3-130.
2360\IF TFY (SUB3) = SPACE MOVE HFY TO TFY (SUB3)
2370\GO TO MOVE-11.

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2380\ADD 1 TO SUB3.
2390\IF SUB3 > 8 DISPLAY "FY ERROR***" HFY
2400\"      CREC = " CREC STOP RUN.
2410\GO TO HFY-100.
2420:EXIT-140.
2430\EXIT.
2440:MOVE-150.
2450\MOVE FY OF CREC TO HFY.
2460\MOVE OC OF CREC TO HOC.
2470:MOVE-160.
2480\MOVE FY OF OREC TO HFY.
2490\MOVE OC OF OREC TO HOC.
2500:DIS-170.
2510\DISPLAY " " DISPLAY " ",
2520\MOVE SUB3 TO SUBD.
2530\DISPLAY "FY(" SUBD ") = " TFY (SUB3).
2540\DISPLAY "DOLLARS IN".
2550\DISPLAY "CONTRACT = " TD (1,SUB3,1).
2560\DISPLAY "ORGANIC = " TD (1,SUB3,2).
2570\DISPLAY "DOLLARS OUT".
2580\DISPLAY "CONTRACT = " TD (2,SUB3,1).
2590\DISPLAY "ORGANIC = " TD (2,SUB3,2).
2600\DISPLAY "DOLLARS NOT WRITTEN".
2610\DISPLAY "CONTRACT = " TD (3,SUB3,1).
2620\DISPLAY "ORGANIC = " TD (3,SUB3,2).
2630\MOVE DIFCNT (SUB3) TO NEG CNT.
2640\DISPLAY "ROUND-OFF DOLLARS = " NEG CNT.
2650$:ENDJOB

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APPENDIX A.3

PROGRAM LISTINGS - MODWBS.R - MODWBS.S

CATALOG/FILE DESCRIPTION= RCS/MODWBS,R

10##N,R(AC)
20\$:IDENT:WP0955,LORER(81) WILHELM 72751 MODWBS,R
30\$:LIMITS:15,,,9K
40\$:OPTION:NOMAP
50\$:GMAP:NDECK
60:600SM
70:SORT:FCB,,14
80:FIELD:(C1,C3,C1,C5,C1,C10)
90:SEQ:(A6,A2)
100:FILECB:FCB,**,2
110:END
120\$:EXECUTE
130\$:PRMPL:SA,R,S,MMR/SPAGE,B
140\$:FILE:S1,S1R,5R
150\$:FILE:S2,S2R,5R
160\$:FILE:S3,S3R,5R
170\$:FILE:S2,F1S,1 L
180\$:OPTION:COBOL,NOMAP
190\$:SELECT:RCS/MODWBS,O
200\$:EXECUTE
210\$:LIMITS:15,,,2K
220\$:TAPE:AA,X1D,,74845,,MODRAN
230\$:FILE:AB,F1R,1 L
240\$:TAPE:BB,X2D,,76651,,MODRAN/RING
250\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODWBS.S

0010##M,R(AC) : ,8,16;\,12,30
 0020\$IDENT:WPO955,MMRER/DEW 72751 MODWBS.S
 0030\$:LIMITS:15,,,9K
 0040\$:OPTION:NOMAP
 0050\$:COBOL:DECK
 0060\$:PRMFL:C+,W,S,RCS/MODWBS.0
 0070:IDENTIFICATION DIVISION.
 0080:PROGRAM-ID. MODWBS.
 0090:ENVIRONMENT DIVISION.
 0100:CONFIGURATION SECTION.
 0110:SPECIAL-NAMES.
 0120\COMPILE ERRORS.
 0130:FILE CONTROL.
 0140\SELECT COMPILE ASSIGN TO AA.
 0150\SELECT WBSFILE ASSIGN TO AB.
 0160\SELECT OTFILE ASSIGN TO BB.
 0170:J-O-CONTROL.
 0180\APPLY STANDARD ON COMPILE WBSFILE OTFILE.
 0190:DATA DIVISION.
 0200:FILE SECTION.
 0210:FD COMPILE
 0220\LABEL RECORD STANDARD.
 0230:01 COMREC\PIC X(49).
 0240:FD WBSFILE
 0250\LABEL RECORD STANDARD.
 0260:01 WBSREC\PIC X(84).
 0270:FD OTFILE
 0280\LABEL RECORD STANDARD.
 0290:01 OTREC\PIC X(54).
 0300:WORKING-STORAGE SECTION.
 0310:77 COMCNT\PIC 9(7) VALUE 0 COMP-1.
 0320:77 WBSCNT\PIC 9(7) VALUE 0 COMP-1.
 0330:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
 0340:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
 0350:77 DISCNT\PIC Z(6)9.
 0360:77 SUB1\PIC 99 VALUE 0 COMP-1.
 0370:77 SUB2\PIC 99 VALUE 0 COMP-1.
 0380:77 INOT\PIC 9.
 0390:77 SUBD\PIC 99.
 0400:77 HFY\PIC XX.
 0410:77 HOC\PIC X.
 0420:77 CFLAG\PIC X VALUE SPACE.
 0430:77 WFLAG\PIC X VALUE SPACE.
 0440:01 CREC.
 0450\03 PART1.
 0460\ 05 FILLER\PIC X(4).
 0470\ 05 IFY\PIC XX.
 0480\ 05 IFGC\PIC X.
 0490\ 05 FILLER\PIC X(10).
 0500\03 MDS\PIC X(10).
 0510\03 CWES.
 0520\ 05 P1\PIC X.
 0530\ 05 FILLER\PIC XXX.
 0540\ 05 P2\PIC X.
 0550\03 PART2.
 0560\ 05 FILLER\PIC X(3).
 0570\ 05 IOC\PIC X.

0580\ 05 FILLER\PIC X(5).
 0590\03 DNPIC 9(7).
 0600:01 OREC.
 0610\03 PART1.
 0620\ 05 FILLER\PIC X(4).
 0630\ 05 FY\PIC XX.
 0640\ 05 FGC\PIC X.
 0650\ 05 FILLER\PIC X(10).
 0660\03 MDS\PIC X(10).
 0670\03 OWBS.
 0680\ 05 P1\PIC X.
 0690\ 05 WBS\PIC XXX.
 0700\ 05 P2\PIC X.
 0710\03 PART2.
 0720\ 05 CUS\PIC XXX.
 0730\ 05 OC\PIC X.
 0740\ 05 FILLER\PIC X(5).
 0750\03 DNPIC 9(7).
 0760\03 MD\PIC X(5).
 0770\03 CUSS\PIC X.
 0780:01 WREC.
 0790\03 FILLER\PIC X.
 0800\03 WB\PIC XXX.
 0810\03 FILLER\PIC Y.
 0820\03 MDIN\PIC X(5).
 0830\03 FILLER\PIC X.
 0840\03 WMDS\PIC X(10).
 0850\03 FILLER\PIC X(63).
 0860:01 TAB.
 0870: 02 T1 OCCURS 3.
 0880\03 T2 OCCURS 7.
 0890\ 05 TD\PIC 9(7) OCCURS 2.
 0900:01 FYTAB.
 0910: 02 F1 OCCURS 7.
 0920\03 TFY\PIC XX.
 0930:PROCEDURE DIVISION.
 0940:START-0.
 0950\OPEN INPUT COMPILE WBSFILE OUTPUT OTFILE.
 0960\MOVE SPACE TO FYTAB.
 0970:READ-10.
 0980\READ WBSFILE AT END MOVE "Z" TO WFLAG GO TO EXIT-15.
 0990\MOVE WBSREC TO WREC.
 1000\ADD 1 TO WBSCNT.
 1010:EXIT-15.
 1020\EXIT.
 1030:READ-20.
 1040\READ COMPILE AT END MOVE "Z" TO CFLAG GO TO EXIT-25.
 1050\MOVE COMREC TO CREC.
 1060\ADD 1 TO COMCNT.
 1070\PERFORM MOVE-150.
 1080\MOVE C TO INOT.
 1090\PERFORM PER-9 THRU EXIT-140.
 1100:EXIT-25.
 1110\EXIT.
 9 1120:MOVE-30.
 8 1130\MOVE SPACES TO OREC.
 7 1140\MOVE PART1 OF CREC TO PART1 OF OREC.
 6 1150\MOVE LDS OF CREC TO MDS OF OREC.
 5 1160\MOVE PART2 OF CREC TO PART2 OF OREC.
 4 1170\MOVE D OF CREC TO D OF OREC.
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1180\MOVE CORR CWBS TO OWBS.
1190:PER-40.
1200\PERFORM READ-20 THRU EXIT-25.
1210\IF CFLAG = "Z" GO TO MATCH-50.
1220\IF PART1 OF CREC = PART1 OF OREC AND
1230\MDS OF CREC = MDS OF OREC AND
1240\CWBS = OWBS AND
1250\PART2 OF CREC = PART2 OF OREC
1260\ADD D OF CREC TO D OF OREC
1270\GO TO PER-40.
1280:MATCH-50.
1290\IF WFLAG = "Z" AND CFLAG = "Z" GO TO END-80.
1300\IF WFLAG = "Z" DISPLAY "MDS NOT MATCHED***" CREC
1310\GO TO END-80.
1320\IF MDS OF OREC > WMDS PERFORM READ-10 THRU EXIT-15
1330\GO TO MATCH-50.
1340\IF MDS OF OREC = WMDS MOVE WB TO WBS
1350\MOVE MDIN TO MD GO TO WRITE-60.
1360\ADD 1 TO NOCNT.
1370\PERFORM MOVE-150.
1380\MOVE 2 TO INOT.
1390\PERFORM PER-90 THRU EXIT-140.
1400\DISPLAY "MDS NOT IN 3PAGE,B " OREC.
1410\IF CFLAG = "Z" GO TO END-80.
1420\GO TO MOVE-30.
1430:WRITE-60.
1440\PERFORM MOVE-160.
1450\MOVE 1 TO INOT.
1460\PERFORM PER-90 THRU EXIT-140.
1470\MOVE "9" TO CUSS.
1480\IF CUS = "AFR" MOVE "1" TO CUSS.
1490\IF CUS = "ANG" MOVE "2" TO CUSS.
1500\IF CUS = "DA " MOVE "3" TO CUSS.
1510\IF CUS = "DAF" MOVE "4" TO CUSS.
1520\IF CUS = "DN " MOVE "5" TO CUSS.
1530\IF CUS = "MAC" MOVE "6" TO CUSS.
1540\IF CUS = "MAP" MOVE "7" TO CUSS.
1550\IF CUS = "SYS" MOVE "8" TO CUSS.
1560\WRITE OREC FROM OREC.
1570\ADD 1 TO OTCNT.
1580\IF CFLAG = "Z" GO TO END-80.
1590\GO TO MOVE-30.
1600:END-80.
1610\PERFORM DIS-170 VARYING SUB1 FROM 1 BY 1 UNTIL SUB1 > 7.
1620\DISPLAY " ".
1630\MOVE COMCNT TO DISCNT.
1640\DISPLAY "NO. OF COM REC READ = " DISCNT.
1650\MOVE WBSCNT TO DISCNT.
1660\DISPLAY "NO. OF 3PAGE REC READ = " DISCNT.
1670\MOVE NOCNT TO DISCNT.
1680\DISPLAY "NO. OF COMREC NOT MATCHED = " DISCNT.
1690\MOVE OTCNT TO DISCNT.
1700\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1710\CLOSE COMFILE WBSFILE OTFILE.
1720\STOP RUN.
1730:PER-90.
1740\MOVE 1 TO SUB1.
1750:HPY-100.
1760\IF HPY NOT = TFY (SUB1) GO TO SUB1-130.
1770:MOVE-110.

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1780\MOVE 0 TO SUB2.
1790\IF HOC = "C" MOVE 1 TO SUB2 ELSE MOVE 2 TO SUB2.
1800\IF INOT = 1 ADD D OF QREC TO TD (2,SUB1,SUB2)
1810\GO TO EXIT-14.
1820:DOL-120.
1830\ADD D OF CREC TO TD (1,SUB1,SUB2).
1840\GO TO EXIT-14.
1850:SUB1-130.
1860\IF TFY (SUB1) = SPACE MOVE HFY TO TFY (SUB1)
1870\GO TO MOVE-11.
1880\ADD 1 TO SUB1.
1890\IF SUB1 > 8 DISPLAY "FY ERROR***" HFY
1900\" CREC = " CREC STOP RUN.
1910\GO TO HFY-100.
1920:EXIT-140.
1930:EXIT.
1940:MOVE-150.
1950\MOVE IFY TO HFY.
1960\MOVE IOC TO HOC.
1970:MOVE-160.
1980\MOVE FY TO HFY.
1990\MOVE OC TO HOC.
2000:DIS-170.
2010\DISPLAY " " DISPLAY " ".
2020\MOVE SUB1 TO SUBD.
2030\DISPLAY "FY{" SUBD " ) = " TFY (SUB1).
2040\DISPLAY "DOLLARS IN".
2050\DISPLAY "CONTRACT = " TD (1,SUB1,1).
2060\DISPLAY "ORGANIC = " TD (1,SUB1,2).
2070\DISPLAY "DOLLARS OUT".
2080\DISPLAY "CONTRACT = " TD (2,SUB1,1).
2090\DISPLAY "ORGANIC = " TD (2,SUB1,2).
2100\DISPLAY "DOLLARS NOT WRITTEN".
2110\DISPLAY "CONTRACT = " TD (3,SUB1,1).
2120\DISPLAY "ORGANIC = " TD (3,SUB1,2).
2130$:ENDJOB

```

APPENDIX A.4

PROGRAM LISTINGS - MODTOT.R - MODTOT.S

CATALOG/FILE DESCRIPTION= RCS/MODTOT.R

10##N,R(AC)
 20\$:IDENT:WFO955,LOPER(81) WILHELM 72751 MODTOT.R
 30\$:LIMITS:15,,,9K
 40\$:OPTION:NOMAP
 50\$:GMAP:NDECK
 60:600SM
 70:SORT:FCB,,,9
 80:FIELD:(C4,C2,C1,C25,C3,C1,C4,C1)
 90:SEQ:(A2,A5,D8,A6,A3)
 100:FILCB:FCB,**,2
 110:END
 120\$:EXECUTE
 130\$:LIMITS:15,,,2K
 140\$:TAPE:SA,X1D,,76651,,MODRAN
 150\$:FILE:S2,S2R,55R
 160\$:FILE:S2,S2R,55R
 170\$:FILE:S3,S3R,55R
 180\$:FILE:S4,S4R,55R
 190\$:FILE:S7,A1S,210L
 200\$:OPTION:COBOL,NOMAP
 210\$:SELECT:RCS/MODTOT.O
 220\$:EXECUTE
 215\$:LIMITS:15,,,2K
 240\$:FILE:AA,A1R,210L
 250\$:REMOTE:BB,AC
 260\$:PRMFL:BC,W,S,RCS/REQPER
 270\$:PRMFL:BD,W,S,RCS/REQDOL
 280\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODTOT.S

10##M,R(AC) : ,8,16;\,12,30
 20\$:IDENT:WP0955,LOPER(81) CJW 72751 MODTOT.S
 30\$:LIMITS:15,,,9K
 40\$:OPTION:NOMAP
 50\$:COBOL:DECK
 60\$:PRMFL:C*,W,S,RCS/MODTOT.O
 70:IDENTIFICATION DIVISION.
 80:PROGRAM-ID. MODTOT.
 90:ENVIRONMENT DIVISION.
 100:CONFIGURATION SECTION.
 110:SPECIAL-NAMES.
 120\COMPILE ERRORS.
 130:FILE CONTROL.
 140\SELECT INFILE ASSIGN TO AA.
 150\SELECT OTFILE ASSIGN TO BB FOR LISTING.
 160\SELECT PERFILE ASSIGN TO BC.
 170\SELECT REQFILE ASSIGN TO BD.
 180:I-O-CONTROL.
 190\APPLY STANDARD ON INFILE OTFILE PERFILE REQFILE.
 200:DATA DIVISION.
 210:FILE SECTION.
 220:FD INFILE
 230\LABEL RECORD STANDARD.
 240: 1 INREC\PIC X(54).
 250:FD OTFILE
 260\LABEL RECORD STANDARD
 270\REPORT IS TOT-REPORT.
 280:FD PERFILE
 290\LABEL RECORD STANDARD.
 300: 1 OTREC\PIC X(48).
 310:FD REQFILE
 320\LABEL RECORD STANDARD.
 330: 1 REQREC\PIC X(54).
 340:WORKING-STORAGE SECTION.
 350:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
 360:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
 370:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
 380:77 CUSTOT\PIC 9(7) COMP-1.
 390:77 DRAWTOT\PIC 9(7) COMP-1.
 400:77 DISCNT\PIC Z(6)9.
 410:77 SUB1\PIC 99 VALUE 0 COMP-1.
 420:77 SUB2\PIC 99 VALUE 0 COMP-1.
 430:77 SUB3\PIC 99 VALUE 0 COMP-1.
 440:77 HFY\PIC XX.
 450:77 IFY\PIC 99 VALUE 0 COMP-1.
 460:77 IOC\PIC 99 VALUE 0 COMP-1.
 470: 01 SUMTAB.
 480: 02 TCUS OCCURS 10.
 490\ 03 TDRAW OCCURS 4.
 500\ 05 TODOL\PIC 9(7) OCCURS 7.
 510\ 05 TCDOL\PIC 9(7) OCCURS 7.
 520: 01 IREC.
 530\ 3 FILLER\PIC X(4).
 540\ 3 FY\PIC XX.
 550\ 3 FGC\PIC X.
 560\ 3 FILLER\PIC X(25).
 570\ 3 CUS\PIC XXX.

580\03 OC\PIC X.
590\03 FILLER\PIC X(4).
600\03 DRAW\PIC X.
610\03 D\PIC 9(7).
620\03 FILLER\PIC X(6).
630:01 PREC.
640\03 PFY\PIC XX.
650\03 PCUS\PIC XXX.
660\03 PDRAW\PIC X.
670\03 PERDRAW\PIC 9V9(4).
680\03 POC\PIC X.
690\03 PEROC\PIC 9V9(4).
700\03 PACFT\PIC 9V9(4).
710\03 PMISS\PIC 9V9(4).
720\03 PENG\PIC 9V9(4).
730\03 POMEI\PIC 9V9(4).
740\03 PEXCH\PIC 9V9(4).
750\03 PABH\PIC 9V9(4).
760:01 RQPEC.
770\03 RFX\PIC XX.
780\03 RCUS\PIC XXX.
790\03 RDRAW\PIC X.
800\03 ROC\PIC X.
810\03 RACFT\PIC 9(7).
820\03 RMISS\PIC 9(7).
830\03 RENG\PIC 9(7).
840\03 ROMEI\PIC 9(7).
850\03 REXCH\PIC 9(7).
860\03 RABH\PIC 9(7).
870\03 FILLER\PIC X(5).
880:01 CTAB.
890\03 FILLER\PIC X(30) VALUE
900\ "AFRANGDA DAEDN MACMAPSYSOTHTOT".
910:01 CUSTAB REDEFINES CTAB.
920\03 CUST\PIC XXX OCCURS 10.
930:01 DTAB.
940\03 FILLER\PIC X(12) VALUE " R D A TOT".
950:01 DRAWTAB REDEFINES DTAB.
960\03 DRAT\PIC X(3) OCCURS 4.
962:01 DETAB.
964\03 FILLER\PIC X(4) VALUE "RDA ".
966:01 DWTAB REDEFINES DRTAB.
968\03 DRAB\PIC X OCCURS 4.
970:REPORT SECTION.
980:RD TOT-REPORT
990\CONTROLS ARE CUST (SUB1) IOC
1000\PAGE LIMIT IS 55 LINES
1010\HEADING 1
1020\FIRST DETAIL 3.
1030:01 TYPE IS CF CUST (SUB1) NEXT GROUP IS NEXT PAGE.
1040: 02 LINE PLUS 01.
1050:01 TYPE IS CH IOC.
1060: 02 LINE PLUS 01.
1070\03 COLUMN 1\PIC XX SOURCE FY.
1080\03 COLUMN 4\PIC XXX SOURCE CUST (SUB1).
1090:01 TYPE IS PH.
1100: 02 LINE PLUS 01.
1110\03 COLUMN 12\SIZE 4 VALUE "ACFT".
1120\03 COLUMN 21\SIZE 4 VALUE "MISS".
1130\03 COLUMN 30\SIZE 3 VALUE "ENG".

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1140\03 COLUMN 39\SIZE 4 VALUE "OMEI".
1150\03 COLUMN 48\SIZE 4 VALUE "EXCH".
1160\03 COLUMN 57\SIZE 5 VALUE "A/B/M".
1170\03 COLUMN 66\SIZE 4 VALUE "TOTL".
1175\03 COLUMN 75\PIC ZZZ9 SOURCE PAGE-COUNTER.
1180:01 OL TYPE DE LINE PLUS 02.
1190\03 COLUMN 2\PIC XXX SOURCE DRAT (SUB2).
1200\03 COLUMN 6\SIZE 1 VALUE "0".
1210\03 COLUMN 9\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,1).
1220\03 COLUMN 18\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,2).
1230\03 COLUMN 27\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,3).
1240\03 COLUMN 36\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,4).
1250\03 COLUMN 45\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,5).
1260\03 COLUMN 54\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,6).
1270\03 COLUMN 63\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,7).
1280:01 CL TYPE DE LINE PLUS 02.
1290\03 COLUMN 6\SIZE 1 VALUE "C".
1300\03 COLUMN 9\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,1).
1310\03 COLUMN 18\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,2).
1320\03 COLUMN 27\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,3).
1330\03 COLUMN 36\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,4).
1340\03 COLUMN 45\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,5).
1350\03 COLUMN 54\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,6).
1360\03 COLUMN 63\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,7).
1370:PROCEDURE DIVISION.
1380:START-0.
1390\OPEN INPUT INFILE OUTPUT OTFILE PERFILE REOFIL.
1400\INITIATE TOT-REPORT.
1410:MOVE-5.
1420\MOVE ZERO TO SUMTAB.
1430:READ-10.
1440\READ INFILE AT END MOVE "ZZ" TO HFY GO TO EXIT-15.
1450\ADD 1 TO INCNT.
1460\MOVE INREC TO IREC.
1470:EXIT-15.
1480\EXIT.
1490:IF-20.
1500\IF INCNT = 1 MOVE FY TO HFY GO TO CUS-30.
1510\IF HFY = "ZZ" GO TO WRITE-80.
1520\IF FY NOT = HFY GO TO WRITE-80.
1530:CUS-30.
1540\IF CUS = "AFR" MOVE 1 TO SUB1 GO TO DRAW-40.
1550\IF CUS = "ANG" MOVE 2 TO SUB1 GO TO DRAW-40.
1560\IF CUS = "DA " MOVE 3 TO SUB1 GO TO DRAW-40.
1570\IF CUS = "DAF" MOVE 4 TO SUB1 GO TO DRAW-40.
1580\IF CUS = "DN " MOVE 5 TO SUB1 GO TO DRAW-40.
1590\IF CUS = "NAC" MOVE 6 TO SUB1 GO TO DRAW-40.
1600\IF CUS = "MAP" MOVE 7 TO SUB1 GO TO DRAW-40.
1610\IF CUS = "SYS" MOVE 8 TO SUB1 GO TO DRAW-40.
1620\MOVE 9 TO SUB1.
1630:DRAW-40.
1640\IF DRAW = "R" MOVE 1 TO SUB2.
1650\IF DRAW = "D" MOVE 2 TO SUB2.
1660\IF DRAW = "A" MOVE 3 TO SUB2.
1670\IF DRAW NOT = "R" AND "D" AND "A" DISPLAY "DRAW ERROR***"
1680\DRAW " IREC = " IREC ADD 1 TO NOCNT
1690\GO TO READ-10.
1700:EEI-50.
1710\IF RGC = "A" OR "B" MOVE 1 TO SUB3 GO TO ADD-60.
1720\IF RGC = "C" OR "D" MOVE 2 TO SUB3 GO TO ADD-60.

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1730\IF RGC = "E" OR "F" MOVE 3 TO SUB3 GO TO ADD-60.
1740\IF RGC = "G" OR "H" MOVE 4 TO SUB3 GO TO ADD-60.
1750\IF RGC = "J" OR "K" OR "L" MOVE 5 TO SUB3 GO TO ADD-60.
1760\MOVE 6 TO SUB3.
1770:ADD-60.
1780\IF OC = "C" GO TO CON-70.
1790\ADD D TO TODOL (SUB1,SUB2,SUB3) TODOL (SUB1,SUB2,7)
1800\TODOL (SUB1,4,SUB3) TODOL (10,SUB2,SUB3) TODOL (SUB1,4,7)
1810\TODOL (10,4,SUB3) TODOL (10,SUB2,7) TODOL (10,4,7).
1820\GO TO READ-10.
1830:CON-70.
1840\ADD D TO TCDOL (SUB1,SUB2,SUB3) TCDOL (SUB1,SUB2,7)
1850\TCDOL (SUB1,4,SUB3) TCDOL (10,SUB2,SUB3) TCDOL (SUB1,4,7)
1860\TCDOL (10,4,SUB3) TCDOL (10,SUB2,7) TCDOL (10,4,7).
1870\GO TO READ-10.
1880:WRITE-80.
1890\PERFORM MOVE-81 THRU EXIT-85 VARYING SUB1 FROM 1 BY 1 UNTIL
1900\SUB1 > 9 AFTER SUB2 FROM 1 BY 1 UNTIL SUB2 > 3.
1910\PERFORM GEN-9 THRU GEN-100 VARYING SUB1 FROM 1 BY 1 UNTIL
1920\SUB1 > 10 AFTER SUB2 FROM 1 BY 1 UNTIL SUB2 > 4.
1930\IF HFX = "ZZ" GO TO END-110.
1940\MOVE FY TO HFY.
1950\PERFORM MOVE-5.
1960\GO TO CUS-30.
1970:GEN-90.
1990\IF SUB1 = 1 GO TO GEN-100.
2000\IF SUB2 = 1 ADD 1 TO LOC.
2010:GEN-100.
2020\GENERATE OL.
2030\GENERATE CL.
2040:END-110.
2050\MOVE INCT TO DISCNT.
2060\DISPLAY "NO. OF REC READ = " DISCNT.
2070\MOVE NOCT TO DISCNT.
2080\DISPLAY "NO. OF STRANGE DRAW CODES = " DISCNT.
2090\TERMINATE TOT-REPORT.
2100\CLOSE INFILE OTEFILE PERFILE REQFILE.
2110\STOP RUN.
2120:MOVE-81.8
2130\IF HFY = "ZZ" MOVE FY TO PFY RFY GO TO CHECK-82.
2140\MOVE HFY TO PFY RFY.
2150:CHECK-82.
2160\MOVE CUST (SUB1) TO PCUS RCUS.
2170\MOVE DRAB (SUB2) TO PDRAW RDRAW.
2180:ORG-83.
2190\MOVE "0" TO POC ROC.
2200\COMPUTE CUSTOT = TODOL (SUB1,4,7) + TCDOL (SUB1,4,7).
2210\COMPUTE DRAWTOT = TODOL (SUB1,SUB2,7) + TCDOL (SUB1,SUB2,7).
2220\COMPUTE PERDRAW ROUNDED = DRAWTOT / CUSTOT.
2230\COMPUTE PEROC ROUNDED = TODOL (SUB1,SUB2,7) / DRAWTOT.
2240\COMPUTE PACFT ROUNDED = TODOL (SUB1,SUB2,1) /
2250\TODOL (SUB1,SUB2,7).
2260\COMPUTE PHISS ROUNDED = TODOL (SUB1,SUB2,2) /
2270\TODOL (SUB1,SUB2,7).
2280\COMPUTE PENG ROUNDED = TODOL (SUB1,SUB2,3) /
2290\TODOL (SUB1,SUB2,7).
2300\COMPUTE POMEI ROUNDED = TODOL (SUB1,SUB2,4) /
2310\TODOL (SUB1,SUB2,7).
2320\COMPUTE PEXCH ROUNDED = TODOL (SUB1,SUB2,5) /
2330\TODOL (SUB1,SUB2,7).

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2340\COMPUTE PABM ROUNDED = TODOL (SUB1,SUB2,6) /
2350\TODOL (SUB1,SUB2,7),
2360\WRITE OTREC FROM PREC,
2370\ADD 1 TO OTCNT,
2380\MOVE TODOL (SUB1,SUB2,1) TO PACFT,
2390\MOVE TODOL (SUB1,SUB2,2) TO RMISS,
2400\MOVE TODOL (SUB1,SUB2,3) TO PENG,
2410\MOVE TODOL (SUB1,SUB2,4) TO ROMEI,
2420\MOVE TODOL (SUB1,SUB2,5) TO REXCH,
2430\MOVE TODOL (SUB1,SUB2,6) TO RABM,
2440\WRITE REQREC FROM RQREC,
2450;CON-84,
2460\MOVE "C" TO POC ROC,
2470\COMPUTE PEROC ROUNDED = TCDOL (SUB1,SUB2,7) / DRAWTOT,
2480\COMPUTE PACFT ROUNDED = TCDOL (SUB1,SUB2,1) /
2490\TCDOL (SUB1,SUB2,7),
2500\COMPUTE PMISS ROUNDED = TCDOL (SUB1,SUB2,2) /
2510\TCDOL (SUB1,SUB2,7),
2520\COMPUTE PENG ROUNDED = TCDOL (SUB1,SUB2,3) /
2530\TCDOL (SUB1,SUB2,7),
2540\COMPUTE POMEI ROUNDED = TCDOL (SUB1,SUB2,4) /
2550\TCDOL (SUB1,SUB2,7),
2560\COMPUTE PEXCH ROUNDED = TCDOL (SUB1,SUB2,5) /
2570\TCDOL (SUB1,SUB2,7),
2580\COMPUTE PABM ROUNDED = TCDOL (SUB1,SUB2,6) /
2590\TCDOL (SUB1,SUB2,7),
2600\WRITE OTREC FROM PREC,
2610\ADD 1 TO OTCNT,
2620\MOVE TCDOL (SUB1,SUB2,1) TO PACFT,
2630\MOVE TCDOL (SUB1,SUB2,2) TO RMISS,
2640\MOVE TCDOL (SUB1,SUB2,3) TO RENG,
2650\MOVE TCDOL (SUB1,SUB2,4) TO ROMEI,
2660\MOVE TCDOL (SUB1,SUB2,5) TO REXCH,
2670\MOVE TCDOL (SUB1,SUB2,6) TO RABM,
2680\WRITE REQREC FROM RQREC,
2690;EXIT-85,
2700\EXIT,
2710;ENDJOB

```

APPENDIX A.5

PROGRAM LISTINGS - MODALL.R - MODALL.S

CATALOG/FILE DESCRIPTION= RCS/MODALL.R

```

010#N,R(AC)
020$:IDENT:WPO955,LOBER(81) CJW 72751 MODALL,R
030$:LIMITS:15,,,9K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,8
080:FIELD:(C5)
090:SEQ:(A1)
100:FILCB:FCB,**,2
110:END
120$:EXECUTE
130$:LIMITS:15,,,2K
140$:PRMFL:SA,R,S,RCS/REQPER
150$:FILE:S1,S1R,2R
160$:FILE:S2,S2R,2R
170$:FILE:S3,S3R,2R
180$:FILE:SZ,A1S,2L
190$:OPTION:NOMAP
200$:GMAP:NDECK
210:600SM
220:SORT:FCB,,9
230:FIELD:(C5)
240:SEQ:(A1)
250:FILCB:FCB,**,2
260:END
270$:EXECUTE
280$:LIMITS:15,,,2K
290$:PRMFL:SA,R,S,RCS/REQDOL
300$:FILE:S1,S1R,2R
310$:FILE:S2,S2R,2R
320$:FILE:S3,S3R,2R
330$:FILE:SZ,A2S,2L
340$:OPTION:NOMAP
350$:GMAP:NDECK
360:600SM
370:SORT:FCB,,1
380:FIELD:(C2)
390:SEQ:(A1)
400:FILCB:FCB,**,2
410:END
420$:EXECUTE
430$:LIMITS:15,,,2K
440$:PRMFL:SA,R,S,RCS/PFILE
450$:FILE:S1,S1R,1R
460$:FILE:S2,S2R,1R
470$:FILE:SZ,A3S,1L
480$:OPTION:NOMAP
490$:GMAP:NDECK
500:600SM
510:SORT:FCB,,9
520:FIELD:(C4,C2,C1,C21,C2,C2,C3,C1,C4,C1,C12,C1)
530:SEQ:(A2,A12,A10,A8,A3,A5)
540:FILCB:FCB,**,2
550:END
560$:EXECUTE
570$:LIMITS:15,,,2K

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580\$:TAPE:SA,X1DD,,74709,,MODRAN
 590\$:FILE:S1,S1R,3R
 600\$:FILE:S2,S2R,3R
 610\$:FILE:S3,S3R,3R
 620\$:FILE:SZ,A4S,3L
 630\$:UTILITY
 640\$:PUTIL:AA,,REW/AA,,DDUMP/SOR,,REW/AA,
 650\$:FILE:AA,A4S,3L
 660\$:OPTION:COBOL,NOMAP
 670\$:SELECT:RCS/MODALL.O
 680\$:EXECUTE
 690\$:LIMITS:15,18K,,2K
 700\$:FILE:AA,A1R,2L
 710\$:FILE:AB,A4R,3L
 720\$:FILE:AC,A3R,1L
 730\$:PRMFL:AD,R,S,RCS/MODPUT
 740\$:FILE:AE,A2R,2L
 750\$:FILE:AF,A5R,2L
 760\$:TAPE:AG,X2DD,,74762,,MODRAN/RING
 770\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODALL.S

0010##N,R(AC) :.8,16;\,12,30
 0020\$IDENT:WP0955, LORER(81) CJW 72751 MODALL.S
 0030\$LIMITS:15,,,9K
 0040\$OPTION:NONAF
 0050\$COBOL:DECK
 0060\$PRNFI:C*,W,S,RCS/MODALL.O
 0070:IDENTIFICATION DIVISION,
 0080:PROGRAM-ID. MODALL.
 0090:ENVIRONMENT DIVISION,
 0100:CONFIGURATION SECTION,
 0110:SPECIAL-NAMES,
 0120\COMPILE ERRORS.
 0130:FILE CONTROL.
 0140\SELECT PERFILE ASSIGN TO AA.
 0150\SELECT MODFILE ASSIGN TO AB.
 0160\SELECT PRIFILE ASSIGN TO AC.
 0170\SELECT DOLFILE ASSIGN TO AD.
 0180\SELECT REQFILE ASSIGN TO AE.
 0190\SELECT TEMFILE ASSIGN TO AF.
 0200\SELECT ALLFILE ASSIGN TO AG.
 0210:I-O-CONTROL,
 0220\APPLY STANDARD ON PERFILE MODFILE PRIFILE TEMFILE
 0230\ALLFILE DOLFILE REQFILE,
 0240:DATA DIVISION,
 0250:FILE SECTION.
 0260:FD PERFILE
 0270\LABEL RECORD STANDARD,
 0280:01 PERREC\PIC X(48).
 0290:FD MODFILE
 0300\LABEL RECORD STANDARD,
 0310:01 MODREC\PIC X(54).
 0320:FD PRIFILE
 0330\LABEL RECORD STANDARD,
 0340:01 PRIREC\PIC X(6).
 0350:FD TEMFILE
 0360\LABEL RECORD STANDARD,
 0370:01 TEMREC\PIC X(66).
 0380:FD ALLFILE
 0390\LABEL RECORD STANDARD,
 0400:01 ALLREC\PIC X(66).
 0410:FD DOLFILE
 0420\LABEL RECORD STANDARD,
 0430:01 DOLREC\PIC X(72).
 0440:FD REQFILE
 0450\LABEL RECORD STANDARD,
 0460:01 REQREC\PIC X(54).
 0470:WORKING-STORAGE SECTION.
 0480:77 PERCNT\PIC 9(7) VALUE 0 COMP-1.
 0490:77 MODCNT\PIC 9(7) VALUE 0 COMP-1.
 0500:77 TEMCNT\PIC 9(7) VALUE 0 COMP-1.
 0510:77 ALLCNT\PIC 9(7) VALUE 0 COMP-1.
 0520:77 REQCNT\PIC 9(7) VALUE 0 COMP-1.
 0530:77 DISCNT\PIC Z(6)9.
 0540:77 RFLAG\PIC 9 VALUE 0.
 0550:77 SUB1\PIC 99 VALUE 0 COMP-1.
 0560:77 SUB2\PIC 99 VALUE 0 COMP-1.
 0570:77 SUB3\PIC 99 VALUE 0 COMP-1.

0580:77 EFLAG\PIC 9 VALUE 0.
 0590:77 HCUS\PIC XXX.
 0600:77 HWBS23\PIC XX.
 0610:77 HDRAW\PIC X.
 0620:77 HOC\PIC X.
 0630:77 HRGC\PIC X.
 0640:77 LFLAG\PIC 9 VALUE 0.
 0650:77 PERCENT\PIC 9V9999 COMP.
 0660:77 CUS-H PIC XXX VALUE " ".
 0670:77 FUDGE\PIC 999V9999 COMP.
 0680:77 FUD\PIC 999V9999.
 0690:77 FLAG\PIC 9 VALUE 0.
 0700:77 DRDRAW\PIC 9(7) COMP-1.
 0710:77 ODOC\PIC 9(7) COMP-1.
 0720:77 S-1\PIC ZZ9.
 0730:77 S-2\PIC ZZ9.
 0740:77 S-3\PIC ZZ9.
 0750:77 COUNTER\PIC 9(3) VALUE 0 COMP-1.
 0760:77 PPTR\PIC 9(6) VALUE 0 COMP-1.
 0770:77 PPTRX\PIC 9(6) VALUE 1 COMP-1.
 0780:77 PPTRD\PIC 9(6).
 0790:77 HCUSS\PIC 9.
 0800:77 TENTOT PIC 9(7) COMP-1 VALUE 0.
 0810:77 FUDTOT PIC 9(7) COMP-1 VALUE 0.
 0820:77 TWN-VAL PIC 9(7) COMP-1 VALUE 0.
 0830:77 FUDSUM PIC 9(8) VALUE 0.
 0840:77 ALLOC PIC 9(8) COMP-1 VALUE 0.
 0850:77 ALLOC-D PIC Z(7)9.
 0860:77 REQ100 PIC 9(8) COMP-1 VALUE 0.
 0870:77 REQ90 PIC 9(8) COMP-1 VALUE 0.
 0880:77 REQ85 PIC 9(8) COMP-1 VALUE 0.
 0890:77 REQ80 PIC 9(8) COMP-1 VALUE 0.
 0900:77 REQ75 PIC 9(8) COMP-1 VALUE 0.
 0910:77 MREQ100 PIC 9(8) COMP-1 VALUE 0.
 0920:77 MREQ90 PIC 9(8) COMP-1 VALUE 0.
 0930:77 MREQ85 PIC 9(8) COMP-1 VALUE 0.
 0940:77 MREQ80 PIC 9(8) COMP-1 VALUE 0.
 0950:77 MREQ75 PIC 9(8) COMP-1 VALUE 0.
 0960:77 TREQ PIC 9(8) COMP-1 VALUE 0.
 0970:77 MTREQ PIC 9(8) COMP-1 VALUE 0.
 0980:77 X0 PIC 999V9999 COMP VALUE 0.
 0990:77 X1 PIC 999V9999 COMP VALUE 0.
 1000:77 X2 PIC 999V9999 COMP VALUE 0.
 1010:77 X3 PIC 999V9999 COMP VALUE 0.
 1020:77 X4 PIC 999V9999 COMP VALUE 0.
 1030:77 X0-D PIC Z49.9999.
 1040:77 X1-D PIC Z49.9999.
 1050:77 X2-D PIC Z49.9999.
 1060:77 X3-D PIC Z49.9999.
 1070:77 X4-D PIC Z49.9999.
 1080:77 REQ100-D PIC Z(7)9.
 1090:77 REQ90-D PIC Z(7)9.
 1100:77 REQ85-D PIC Z(7)9.
 1110:77 REQ80-D PIC Z(7)9.
 1120:77 REQ75-D PIC Z(7)9.
 1130:77 MREQ100-D PIC Z(7)9.
 1140:77 MREQ90-D PIC Z(7)9.
 1150:77 MREQ85-D PIC Z(7)9.
 1160:77 MREQ80-D PIC Z(7)9.
 1170:77 MREQ75-D PIC Z(7)9.

1180:77 TREQ-D PIC 2(7)9.
 1190:77 MTREQ-D PIC 2(7)9.
 1200:01 PREC.
 1210: 03 PFY PIC XX.
 1220: 03 PCUS PIC XXX.
 1230: 03 PDRAW PIC X.
 1240\03 PERDRAW\PIC 9V9(4).
 1250\03 POC\PIC X.
 1260\03 PEPOC\PIC 9V9(4).
 1270\03 PACFT\PIC 9V9(4).
 1280\03 PMISS\PIC 9V9(4).
 1290\03 PENG\PIC 9V9(4).
 1300\03 POMEI\PIC 9V9(4).
 1310\03 PFYCH\PIC 9V9(4).
 1320\03 LABH\PIC 9V9(4).
 1330\03 FILLER\PIC X.
 1340:01 PRTAB.
 1350\03 PR-NTRY OCCURS 60 TIMES.
 1360\ 05 PRW23\PIC XX.
 1370\ 05 PRI23\PIC 99.
 1380:01 MREC.
 1390: 02 M1.
 1400\03 FILLER\PIC X(4).
 1410\03 FY\PIC XX.
 1420\03 RGC\PIC X.
 1430\03 FILLER\PIC X(2).
 1440\03 WBS.
 1450\ 05 FILLER\PIC X.
 1460\ 05 WBS23\PIC XX.
 1470\ 05 FILLER\PIC XX.
 1480\03 CUS\PIC XXX.
 1490\03 OC\PIC X.
 1500\03 FILLER\PIC X(4).
 1510\03 DRAW\PIC X.
 1520\03 D\PIC 9(7).
 1530\03 FILLER\PIC X(5).
 1540: 02 CUSS\PIC 9.
 1550:01 PRREC.
 1560\03 PRWBS23\PIC XX.
 1570\03 FILLER\PIC X.
 1580\03 PRI\PIC 99.
 1590\03 FILLER\PIC X.
 1600:01 TREC.
 1610: 02 T1.
 1620\03 FILLER\PIC X(4).
 1630\03 TFY\PIC XX.
 1640\03 TRGC\PIC X.
 1650\03 FILLER\PIC X(2).
 1660\03 TWES.
 1670\ 05 FILLER\PIC X.
 1680\ 05 TWBS23\PIC XX.
 1690\ 05 FILLER\PIC XX.
 1700\03 TCUS\PIC XXX.
 1710\03 TOC\PIC X.
 1720\03 FILLER\PIC X(4).
 1730\03 TDRAW\PIC X.
 1740\03 TD\PIC 9(7).
 1750\03 FILLER\PIC X(5).
 1760: 02 TF\PIC 99.
 1770: 02 TDALL\PIC 9(7).

1780: 02 FILLER\PIC XXX.
 1790: 02 TCUSS\PIC X.
 1800:01 ROREC.
 1810\03 RFF\PIC XX.
 1820\03 RCUS\PIC XXX.
 1830\03 RDRAW\PIC X.
 1840\03 ROC\PIC X.
 1850\03 RACFT\PIC 9(7).
 1860\03 RMISS\PIC 9(7).
 1870\03 RENG\PIC 9(7).
 1880\03 RONEI\PIC 9(7).
 1890\03 REXCH\PIC 9(7).
 1900\03 RARM\PIC 9(7).
 1910\03 FILLER\PIC X(5).
 1920:01 REQTAB.
 1930: 02 ROCUS OCCURS 9.
 1940\03 RODRAW OCCURS 3.
 1950\ 05 RQOC OCCURS 2.
 1960\ 07 RQA\PIC 9(7).
 1970\ 07 RQM\PIC 9(7).
 1980\ 07 RQEN\PIC 9(7).
 1990\ 07 RQOH\PIC 9(7).
 2000\ 07 RQEX\PIC 9(7).
 2010\ 07 RQAB\PIC 9(7).
 2020:01 AREC.
 2030: 02 A1.
 2040\03 FILLEP\PIC X(4).
 2050\03 AFY\PIC XX.
 2060\03 ARGC\PIC X.
 2070\03 FILLER\PIC X(20).
 2080\03 AWBS.
 2090\ 05 FILLER\PIC X.
 2100\ 05 AWBS23\PIC XX.
 2110\ 05 FILLER\PIC XX.
 2120\03 ACUS\PIC XXX.
 2130\03 AOC\PIC X.
 2140\03 FILLER\PIC X(4).
 2150\03 ADRAW\PIC X.
 2160\03 AD\PIC 9(7).
 2170\03 FILLER\PIC X(5).
 2180: 02 AP\PIC 99.
 2190: 02 ADALL\PIC 9(7).
 2200: 02 FILLER\PIC XXX.
 2210: 02 ACUSS\PIC X.
 2220:01 DTAB.
 2230: 02 DCUS OCCURS 9.
 2240\03 DDRAW OCCURS 3.
 2250\ 05 DOC OCCURS 2.
 2260\ 07 DA\PIC 9(7).
 2270\ 07 DM\PIC 9(7).
 2280\ 07 DEN\PIC 9(7).
 2290\ 07 DON\PIC 9(7).
 2300\ 07 DEX\PIC 9(7).
 2310\ 07 DAB\PIC 9(7).
 2320:01 DIETAB.
 2330: 02 D1 OCCURS 9.
 2340\03 D2 OCCURS 3.
 2350\ 05 D3 OCCURS 2.
 2360\ 07 DIFDA\PIC 59(7).
 2370\ 07 DIFDH\PIC 59(7).

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2380\      07 DIFDEN\PIC S9(7).
2390\      07 DIFDOM\PIC S9(7).
2400\      07 DIFDEX\PIC S9(7).
2410\      07 DIFDAB\PIC S9(7).
2420:01 CUSTAB.
2430\03 FILLER\PIC X(27) VALUE
2440\ "AFRANGDA DAFDN MACMAPSYSOH".
2450:01 CTAB REDEFINES CUSTAB.
2460\03 CUST\PIC XXX OCCURS 9.
2470:01 CDOLTAB.
2480\03 CUSTDOL\PIC 9(7) OCCURS 9.
2490:01 DREC.
2500\03 DFY\PIC XX.
2510\03 DBUD\PIC 9(7).
2520\03 DAFR\PIC 9(7).
2530\03 DANG\PIC 9(7).
2540\03 DDA\PIC 9(7).
2550\03 DDAF\PIC 9(7).
2560\03 DDN\PIC 9(7).
2570\03 DMAC\PIC 9(7).
2580\03 DMAP\PIC 9(7).
2590\03 DSYS\PIC 9(7).
2600\03 DOTH\PIC 9(7).
2610:PROCEDURE DIVISION.
2620:START-0.
2630\OPEN INPUT PERFILE MODFILE DOLFILE REQFILE.
2640\OPEN OUTPUT TENFILE ALLFILE.
2650:MOVE-5.
2660\MOVE ZERO TO DTAB DIFTAB.
2670\MOVE ZERO TO REQTAB.
2680:OPEN-6.
2690\OPEN INPUT PRIFILE.
2700:READ-7.
2710\READ PRIFILE AT END GO TO CLOSE-8.
2720\MOVE PRIREC TO PPREC.
2730\ADD 1 TO PPTR.
2740\MOVE PRWBS23 TO PRW23 (PPTR).
2750\MOVE PRI TO PRI23 (PPTR).
2760\GO TO READ-7.
2770:CLOSE-8.
2780\CLOSE PRIFILE.
2790\MOVE PPTR TO PPTRD.
2800\DISPLAY " EOF ON PRIFILE = " PPTRD.
2810:READ-10.
2820\READ DOLFILE AT END GO TO READ-20.
2830\MOVE DOLPREC TO DREC.
2840\MOVE DAFR TO CUSTDOL (1).
2850\MOVE DANG TO CUSTDOL (2).
2860\MOVE DDA TO CUSTDOL (3).
2870\MOVE DDAF TO CUSTDOL (4).
2880\MOVE DDN TO CUSTDOL (5).
12 2890\MOVE DMAC TO CUSTDOL (6).
11 2900\MOVE DMAP TO CUSTDOL (7).
10 2910\MOVE DSYS TO CUSTDOL (8).
9 2920\MOVE DOTH TO CUSTDOL (9).
8 2930:READ-20.
7 2940\READ PERFILE AT END GO TO READ-80.
6 2950\ADD 1 TO PERCNT.
5 2960\MOVE PERREC TO PPREC.
4 2970:IF-30.

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2980\IF DFY NOT = PFY AND EFLAG = 1 MOVE 0 TO EFLAG
2990\GO TO READ-80.
3000\IF DFY NOT = PFY GO TO READ-20.
3010\IF EFLAG = 1 GO TO CHECK-40.
3020\MOVE 1 TO EFLAG.
3030:SUB1-35.
3040\MOVE 1 TO SUB1.
3050:CHECK-40.
3060\IF PCUS = CUST (SUB1) GO TO PDRAW-50.
3070\IF PCUS = "OTH" MOVE 9 TO SUB1 GO TO CHECK-40.
3080\IF PCUS = "SYS" MOVE 8 TO SUB1 GO TO CHECK-40.
3090\ADD 1 TO SUB1.
3100\MOVE SUB1 TO S-1.
3110\IF SUB1 > 9 DISPLAY "BAD CUS IN PERFILE " PCUS
3120\" PREC = " PREC S-1 GO TO END-440.
3130\GO TO CHECK-4.
3140:PDRAW-50.
3150\IF PDRAW = "D" MOVE 1 TO SUB2 GO TO POC-60.
3160\IF PDRAW = "R" MOVE 2 TO SUB2 GO TO POC-60.
3170\MOVE 3 TO SUB2.
3180:POC-60.
3190\IF POC = "O" MOVE 1 TO SUB3 ELSE
3200\MOVE 2 TO SUB3.
3210:PCALC-70.
3220\MULTIPLY PERDRAW BY CUSTDOL (SUB1) GIVING
3230\DRDRAW ROUNDED.
3240\MULTIPLY PEROC BY DRDRAW GIVING ODOC ROUNDED.
3250\MULTIPLY PACFT BY ODOC GIVING DA (SUB1,SUB2,SUB3)
3260\ROUNDED.
3270\MULTIPLY PMISS BY ODOC GIVING DM (SUB1,SUB2,SUB3)
3280\ROUNDED.
3290\MULTIPLY PENG BY ODOC GIVING DEN (SUB1,SUB2,SUB3)
3300\ROUNDED.
3310\MULTIPLY POKET BY ODOC GIVING DOM (SUB1,SUB2,SUB3)
3320\ROUNDED.
3330\MULTIPLY PEXCH BY ODOC GIVING DEX (SUB1,SUB2,SUB3)
3340\ROUNDED.
3350\MULTIPLY PAEM BY ODOC GIVING DAB (SUB1,SUB2,SUB3)
3360\ROUNDED.
3370\GO TO READ-20.
3380:READ-80.
3390\READ REQFILE AT END GO TO READ-100.
3400\ADD 1 TO REQCNT.
3410\MOVE REQREC TO RQREC.
3420\IF DFY NOT = PFY GO TO READ-80.
3430:PER-90.
3440\MOVE RCUS TO CUS MOVE RDRAW TO DRAW.
3450\MOVE ROC TO OC.
3460\PERFORM CUS-130 THRU OC-150.
3470\MOVE RACFT TO RQA (SUB1,SUB2,SUB3).
3480\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3490\DISPLAY " DA/RQA " S-1 " " S-2 " " S-3 " "
3500\ DA (SUB1,SUB2,SUB3) " " RQA (SUB1,SUB2,SUB3).
3510\MOVE RMISS TO RQM (SUB1,SUB2,SUB3).
3520\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3530\DISPLAY " DM/RQM " S-1 " " S-2 " " S-3 " "
3540\ DM (SUB1,SUB2,SUB3) " " RQM (SUB1,SUB2,SUB3).
3550\MOVE RENG TO RQEN (SUB1,SUB2,SUB3).
3560\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3570\DISPLAY " DEN/RQEN " S-1 " " S-2 " " S-3 " "

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3580\ DEN (SUB1,SUB2,SUB3) " " RQEN (SUB1,SUB2,SUB3),
3590\MOVE ROMEI TO ROOM (SUB1,SUB2,SUB3),
3600\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3,
3610\DISPLAY "DOM/ROOM " S-1 " " S-2 " " S-3 " "
3620\ DOM (SUB1,SUB2,SUB3) " " ROOM (SUB1,SUB2,SUB3),
3630\MOVE REXCH TO RQEX (SUB1,SUB2,SUB3),
3640\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3,
3650\DISPLAY "DEX/RQEX " S-1 " " S-2 " " S-3 " "
3660\ DEX (SUB1,SUB2,SUB3) " " RQEX (SUB1,SUB2,SUB3),
3670\MOVE RABH TO RQAB (SUB1,SUB2,SUB3),
3680\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3,
3690\DISPLAY "DAB/RQAB " S-1 " " S-2 " " S-3 " "
3700\ DAB (SUB1,SUB2,SUB3) " " RQAB (SUB1,SUB2,SUB3),
3710\GO TO READ-80,
3720:READ-100,
3730\READ MODFILE AT END GO TO CHECK-430,
3740\ADD 1 TO MODCNT,
3750\MOVE MODREC TO MREC,
3760: IF CUS NOT = CUS-H MOVE MODCNT TO DISCNT
3770: DISPLAY " CUS CHG " CUS-H " " CUS " AT " DISCNT
3780: MOVE CUS TO CUS-H,
3790:IF-110,
3800\IF FY NOT = DFY AND EFLAG = 1 GO TO END-440,
3810\IF FY NOT = DFY GO TO READ-80,
3820\MOVE 1 TO EFLAG,
3830\IF MODCNT = 1 MOVE CUS TO HCUS MOVE CUSS TO HCUSS
3840\MOVE UBS23 TO HWBS23 MOVE DRAW TO HDRAW
3850\MOVE OC TO HOC MOVE RGC TO HRGC,
3860:CHECK-120,
3870\IF CUSS NOT = HCUSS AND LFLAG = 1 GO TO REW-320,
3880\IF DRAW NOT = HDRAW AND LFLAG = 1 GO TO REW-320,
3890\IF OC NOT = HOC AND LFLAG = 1 GO TO REW-320,
3900\IF CUSS NOT = HCUSS OR DRAW NOT = HDRAW OR OC NOT = HOC
3910::MOVE CUSS TO HCUSS MOVE DRAW TO HDRAW MOVE OC TO HOC,
3920\IF (RGC NOT = "A" AND "B") AND RFLAG = 1 GO TO REW-320,
3930\IF (RGC NOT = "C" AND "D") AND RFLAG = 2 GO TO REW-320,
3940\IF (RGC NOT = "E" AND "F") AND RFLAG = 3 GO TO REW-320,
3950\IF (RGC NOT = "G" AND "H") AND RFLAG = 4 GO TO REW-320,
3960\IF (RGC NOT = "J" AND "K" AND "L") AND RFLAG = 5
3970\GO TO REW-320,
3980\IF (RGC NOT = "M" AND "N" AND "P" AND "R" AND "S") AND
3990\RFLAG = 6 GO TO REW-320,
4000:CUS-130,
4010\IF FLAG = 1 GO TO END-440,
4020\IF CUS = "AFP" MOVE 1 TO SUB1 GO TO DRAW-140,
4030\IF CUS = "ANG" MOVE 2 TO SUB1 GO TO DRAW-140,
4040\IF CUS = "DA " MOVE 3 TO SUB1 GO TO DRAW-140,
4050\IF CUS = "DAF" MOVE 4 TO SUB1 GO TO DRAW-140,
4060\IF CUS = "DN " MOVE 5 TO SUB1 GO TO DRAW-140,
4070\IF CUS = "MAC" MOVE 6 TO SUB1 GO TO DRAW-140,
4080\IF CUS = "MAP" MOVE 7 TO SUB1 GO TO DRAW-140,
12 4090\IF CUS = "SYS" MOVE 8 TO SUB1 GO TO DRAW-140,
11 4100\MOVE 9 TO SUB1,
10 4110:DRAW-140,
9 4120\IF DRAW = "D" MOVE 1 TO SUB2 GO TO OC-150,
8 4130\IF DRAW = "R" MOVE 2 TO SUB2 GO TO OC-150,
7 4140\MOVE 3 TO SUB2,
6 4150:OC-150,
5 4160\IF OC = "O" MOVE 1 TO SUB3 ELSE MOVE 2 TO SUB3,
4 4170:COMPARE-160,

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4180\IF RGC = "A" OR "B" GO TO ACFT-170.
4190\IF RGC = "C" OR "D" GO TO MISS-180.
4200\IF RGC = "E" OR "F" GO TO ENG-190.
4210\IF RGC = "G" OR "H" GO TO OMEI-200.
4220\IF RGC = "J" OR "K" OR "L" GO TO EXCH-210.
4230\IF DAB (SUB1,SUB2,SUB3) < RQAB (SUB1,SUB2,SUB3)
4240\GO TO LESS-230 ELSE GO TO SURP-220.
4250:ACFT-170.
4260\IF DA (SUB1,SUB2,SUB3) < RQA (SUB1,SUB2,SUB3)
4270\GO TO LESS-230 ELSE GO TO SURP-220.
4280:MISS-180.
4290\IF DM (SUB1,SUB2,SUB3) < RQM (SUB1,SUB2,SUB3)
4300\GO TO LESS-230 ELSE GO TO SURP-220.
4310:ENG-190.
4320\IF DEN (SUB1,SUB2,SUB3) < RQEN (SUB1,SUB2,SUB3)
4330\GO TO LESS-230 ELSE GO TO SURP-220.
4340:OMEI-200.
4350\IF DOM (SUB1,SUB2,SUB3) < ROOM (SUB1,SUB2,SUB3)
4360\GO TO LESS-230 ELSE GO TO SURP-220.
4370:EXCH-210.
4380\IF DEX (SUB1,SUB2,SUB3) < RQEX (SUB1,SUB2,SUB3)
4390\GO TO LESS-230.
4400:SURP-220.
4410\MOVE M1 TO A1.
4420\MOVE CUSS TO ACUSS.
4430\MOVE D TO ADALL.
4440\PERFORM OPEN-240 THRU EXIT-280.
4450\WRITE ALLREC FROM AREC.
4460\ADD 1 TO ALLCNT.
4470\GO TO READ-10.
4480:LESS-230.
4490\MOVE 1 TO LFLAG.
4500:OPEN-240.
4510\IF WBS23 = PRW23 (PPTRX) MOVE PRI23 (PPTRX) TO AP TP
4520\GO TO EXIT-280.
4530\MOVE 1 TO PPTRX.
4540:CHK-250.
4550\IF WBS23 = PRW23 (PPTRX) MOVE PRI23 (PPTRX) TO AP TP
4560\GO TO EXIT-280.
4570\ADD 1 TO PPTRX.
4580\IF PPTRX > PPTR GO TO MOVE-260.
4590\GO TO CHK-250.
4600:MOVE-260.
4610\MOVE 60 TO AP TP.
4620:EXIT-280.
4630\EXIT.
4640:IF-290.
4650\IF TP NOT < 1 AND TP NOT > 14 MOVE 1.0 TO PERCENT
4660\GO TO MOVE-300.
4670\IF TP NOT < 15 AND TP NOT > 25 MOVE 0.9 TO PERCENT
4680\GO TO MOVE-300.
4690\IF TP NOT < 26 AND TP NOT > 33 MOVE 0.85 TO PERCENT
4700\GO TO MOVE-300.
4710\IF TP NOT < 34 AND TP NOT > 46 MOVE 0.8 TO PERCENT
4720\GO TO MOVE-300.
4730\MOVE 0.75 TO PERCENT.
4740:MOVE-300.
4750\MOVE M1 TO T1.
4760\MOVE CUSS TO TCUSS.
4770:RGC-310.

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4780\IF RGC = "A" OR "B" MOVE 1 TO RFLAG
4790\COMPUTE TDALL ROUNDED = PERCENT * D
4800\COMPUTE DIFDA (SUB1,SUB2,SUB3) = DIFDA (SUB1,SUB2,SUB3)
4810\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4820\GO TO P315-ADD.
4830\IF RGC = "C" OR "D" MOVE 2 TO RFLAG
4840\COMPUTE TDALL ROUNDED = PERCENT * D
4850\COMPUTE DIFDM (SUB1,SUB2,SUB3) = DIFDM (SUB1,SUB2,SUB3)
4860\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4870\GO TO P315-ADD.
4880\IF RGC = "E" OR "F" MOVE 3 TO RFLAG
4890\COMPUTE TDALL ROUNDED = PERCENT * D
4900\COMPUTE DIFDEN (SUB1,SUB2,SUB3) = DIFDEN (SUB1,SUB2,SUB3)
4910\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4920\GO TO P315-ADD.
4930\IF RGC = "G" OR "H" MOVE 4 TO RFLAG
4940\COMPUTE TDALL ROUNDED = PERCENT * D
4950\COMPUTE DIFDOM (SUB1,SUB2,SUB3) = DIFDOM (SUB1,SUB2,SUB3)
4960\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4970\GO TO P315-ADD.
4980\IF RGC = "J" OR "K" OR "L" MOVE 5 TO RFLAG
4990:    ADD D TO TENTOT
5000\COMPUTE TDALL ROUNDED = PERCENT * D
5010:    ADD TDALL TO FUDTOT
5020\COMPUTE DIFDEX (SUB1,SUB2,SUB3) = DIFDEX (SUB1,SUB2,SUB3)
5030\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
5040\GO TO P315-ADD.
5050\MOVE 6 TO RFLAG.
5060\COMPUTE TDALL ROUNDED = PERCENT * D.
5070\COMPUTE DIFDAB (SUB1,SUB2,SUB3) = DIFDAB (SUB1,SUB2,SUB3)
5080\+ TDALL.
5090\WRITE TEMREC FROM TREC.
5100\ADD 1 TO TEMCNT.
5110\GO TO P315-ADD.
5120:P315-ADD.
5130:    IF PERCENT > 0.97 ADD D TO REQ100    ADD TDALL TO MREQ100
5140:    GO TO READ-100.
5150:    IF PERCENT > 0.87 ADD D TO REQ90     ADD TDALL TO MREQ90
5160:    GO TO READ-100.
5170:    IF PERCENT > 0.83 ADD D TO REQ85     ADD TDALL TO MREQ85
5180:    GO TO READ-100.
5190:    IF PERCENT > 0.77 ADD D TO REQ80     ADD TDALL TO MREQ80
5200:    GO TO READ-100.
5210:    IF PERCENT > 0.73 ADD D TO REQ75     ADD TDALL TO MREQ75
5220:    GO TO READ-100.
5230:    MOVE PERCENT TO PEROC.
5240:    DISPLAY " PERCENT ERROR FOR FUDGE " PEROC.
5250:    GO TO END-440.
5260:REW-320.
5270\CLOSE TEMFILE.
5280\OPEN INPUT TEMFILE.
5290:    MOVE TENTOT TO DISCNT.
5300:    DISPLAY "S FOR TEMFILE " DISCNT.
5310:    MOVE FUDTOT TO DISCNT.
5320:    DISPLAY "S TO TEMFILE " DISCNT.
5330:    MOVE 0 TO TENTOT.
5340:    MOVE TEMCNT TO DISCNT.
5350:    DISPLAY "RECS TO TEMFILE " DISCNT.
5360:    MOVE 0 TO TEMCNT.
5370:    MOVE 0 TO FUDTOT.

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5380\MOVE 0 TO LFLAG.
5390: MOVE REQ100 TO REQ100-D.
5400: MOVE REQ90 TO REQ90-D.
5410: MOVE REQ85 TO REQ85-D.
5420: MOVE REQ80 TO REQ80-D.
5430: MOVE REQ75 TO REQ75-D.
5440: MOVE MREQ100 TO MREQ100-D.
5450: MOVE MREQ90 TO MREQ90-D.
5460: MOVE MREQ85 TO MREQ85-D.
5470: MOVE MREQ80 TO MREQ80-D.
5480: MOVE MREQ75 TO MREQ75-D.
5490: DISPLAY " VALUES FOR FUDGE" REQ100-D REQ90-D REQ85-D REQ80-D
5500: REQ75-D "; " MREQ100-D MREQ90-D MREQ85-D MREQ80-D
5510: MREQ75-D.
5520:IF-330.
5530\COMPUTE COUNTER = COUNTER + 1.
5540\IF RFLAG = 1 GO TO ACFT-340.
5550\IF RFLAG = 2 GO TO MISS-350.
5560\IF RFLAG = 3 GO TO ENG-360.
5570\IF RFLAG = 4 GO TO ONEI-370.
5580\IF RFLAG = 5 GO TO EXCH-380.
5590\IF DIFDAB (SUB1,SUB2,SUB3) NOT < 0 AND
5600\DIFDAB (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5610\COMPUTE FUDGE ROUNDED = DAB (SUB1,SUB2,SUB3) /
5620\ DIFDAB (SUB1,SUB2,SUB3).
5630\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5640\ MOVE FUDGE TO FUD.
5650\DISPLAY "DIFDAB/RQAB " S-1 " " S-2 " " S-3 " "
5660\ DAB (SUB1,SUB2,SUB3) " "
5670\ DIFDAB (SUB1,SUB2,SUB3) " " RQAB (SUB1,SUB2,SUB3) " "
5680\ FUD " = FUDGE".
5690: IF FUDGE < 1.001 GO TO READ-390.
5700: MOVE DAB (SUB1,SUB2,SUB3) TO ALLOC.
5710: GO TO P385-FUDGE.
5720:ACFT-340.
5730\IF DIFDA (SUB1,SUB2,SUB3) NOT < 0 AND
5740\DIFDA (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5750\COMPUTE FUDGE ROUNDED = DA (SUB1,SUB2,SUB3) /
5760\ DIFDA (SUB1,SUB2,SUB3).
5770\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5780\ MOVE FUDGE TO FUD.
5790\DISPLAY " DIFDA/RQA " S-1 " " S-2 " " S-3 " "
5800\ DA (SUB1,SUB2,SUB3) " "
5810\ DIFDA (SUB1,SUB2,SUB3) " " RQA (SUB1,SUB2,SUB3) " "
5820\ FUD " = FUDGE".
5830: IF FUDGE < 1.001 GO TO READ-390.
5840: MOVE DA (SUB1,SUB2,SUB3) TO ALLOC.
5850: GO TO P385-FUDGE.
5860:MISS-350.
5870\IF DIFDM (SUB1,SUB2,SUB3) NOT < 0 AND
5880\DIFDM (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5890\COMPUTE FUDGE ROUNDED = DM (SUB1,SUB2,SUB3) /
5900\ DIFDM (SUB1,SUB2,SUB3).
5910\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5920\ MOVE FUDGE TO FUD.
5930\DISPLAY " DIFDM/RQM " S-1 " " S-2 " " S-3 " "
5940\ DM (SUB1,SUB2,SUB3) " "
5950\ DIFDM (SUB1,SUB2,SUB3) " " RQM (SUB1,SUB2,SUB3) " "
5960\ FUD " = FUDGE".
5970: IF FUDGE < 1.001 GO TO READ-390.

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5980:    MOVE DM (SUB1,SUB2,SUB3) TO ALLOC.
5990:    GO TO P385-FUDGE.
6000:ENG-360.
6010\IF DIFDEN (SUB1,SUB2,SUB3) NOT < 0 AND
6020\DIFDEN (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
6030\COMPUTE FUDGE ROUNDED = DEN (SUB1,SUB2,SUB3) /
6040\ DIFDEN (SUB1,SUB2,SUB3).
6050\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
6060\ MOVE FUDGE TO FUD.
6070\DISPLAY "DIFDEN/RQEN " S-1 " " S-2 " " S-3 " "
6080\ DEN (SUB1,SUB2,SUB3) " "
6090\ DIFDEN (SUB1,SUB2,SUB3) " " RQEN (SUB1,SUB2,SUB3) " "
6100\ FUD " = FUDGE".
6110:    IF FUDGE < 1.0001 GO TO READ-390.
6120:    MOVE DEN (SUB1,SUB2,SUB3) TO ALLOC.
6130:    GO TO P385-FUDGE.
6140:ONEI-370.
6150\IF DIFDOM (SUB1,SUB2,SUB3) NOT < 0 AND
6160\DIFDOM (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
6170\COMPUTE FUDGE ROUNDED = DOM (SUB1,SUB2,SUB3) /
6180\ DIFDOM (SUB1,SUB2,SUB3).
6190\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
6200\ MOVE FUDGE TO FUD.
6210\DISPLAY "DIFDOM/RQOM " S-1 " " S-2 " " S-3 " "
6220\ DOM (SUB1,SUB2,SUB3) " "
6230\ DIFDOM (SUB1,SUB2,SUB3) " " RQOM (SUB1,SUB2,SUB3) " "
6240\ FUD " = FUDGE".
6250:    IF FUDGE < 1.0001 GO TO READ-390.
6260:    MOVE DOM (SUB1,SUB2,SUB3) TO ALLOC.
6270:    GO TO P385-FUDGE.
6280:EXCH-380.
6290\IF DIFDEX (SUB1,SUB2,SUB3) NOT < 0 AND
6300\DIFDEX (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
6310\COMPUTE FUDGE ROUNDED = DEX (SUB1,SUB2,SUB3) /
6320\ DIFDEX (SUB1,SUB2,SUB3).
6330\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
6340\ MOVE FUDGE TO FUD.
6350\DISPLAY "DIFDEX/RQEX " S-1 " " S-2 " " S-3 " "
6360\ DEX (SUB1,SUB2,SUB3) " "
6370\ DIFDEX (SUB1,SUB2,SUB3) " " RQEX (SUB1,SUB2,SUB3) " "
6380:    FUD " = FUDGE".
6390:    IF FUDGE < 1.0001 GO TO READ-390.
6400:    MOVE DEX (SUB1,SUB2,SUB3) TO ALLOC.
6410:P385-FUDGL.
6420:    COMPUTE TREQ = REQ100 + REQ90 + REQ85 + REQ80 + REQ75.
6430:    COMPUTE MTREQ = MREQ100 + MREQ90 + MREQ85 + MREQ80 +
6440:    MREQ75.
6450:    MOVE TREQ TO TREQ-D.
6460:    MOVE MTREQ TO MTRREQ-D.
6470:    MOVE ALLOC TO ALLOC-D.
6480:    DISPLAY " TOTAL REQ " TREQ-D " MODIFIED TOTAL REQ "
6490:    MTRREQ-D " MAX ALLOC " ALLOC-D.
6500:    COMPUTE X1 ROUNDED = ( ALLOC - REQ100 ) /
6510:    ( MREQ85 + MREQ80 + MREQ75 ).
6520:    IF X1 < 1.1111 MOVE X1 TO X0 GO TO P387-DISPLAY.
6530:    COMPUTE X2 ROUNDED = ( ALLOC - REQ100 - REQ90 ) /
6540:    ( MREQ85 + MREQ80 + MREQ75 ).
6550:    IF X2 < 1.1765 MOVE X2 TO X0 GO TO P387-DISPLAY.
6560:    COMPUTE X3 ROUNDED = ( ALLOC - REQ100 - REQ90 - REQ85 ) /
6570:    ( MREQ80 + MREQ75 ).

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6580: IF X3 < 1,2500 MOVE X3 TO X0 GO TO P387-DISPLAY,
6590: COMPUTE X4 ROUNDED =
6600: ( ALLOC - REQ100 - REQ90 - REQ85 - REQ80 ) / MREQ75.
6610: IF X4 < 1,3334 MOVE X4 TO X0 GO TO P387-DISPLAY,
6620: MOVE 0 TO X0.
6630: P387-DISPLAY.
6640: MOVE X0 TO X0-D.
6650: MOVE X1 TO X1-D.
6660: MOVE X2 TO X2-D.
6670: MOVE X3 TO X3-D.
6680: MOVE X4 TO X4-D.
6690: MOVE FUDGE TO FUD.
6700: DISPLAY " FUDGE = " FUD " X1=" X1-D " X2=" X2-D " X3="
6710: X3-D " X4=" X4-D " FINAL FUDGE=" X0-D,
6720: MOVE X0 TO FUDGE,
6730: IF FUDGE < 0.9999 GO TO END-440.
6740: MOVE 0 TO X0.
6750: MOVE 0 TO X1.
6760: MOVE 0 TO X2.
6770: MOVE 0 TO X3.
6780: MOVE 0 TO X4.
6790: READ-390.
6800: READ TEMFILE AT END MOVE CUS TO HCUS MOVE CUSS TO HCUSS
6810: MOVE WBS23 TO HWBS23 MOVE DRAW TO HDRAW MOVE 0 TO RFLAG
6820: MOVE OC TO HOC CLOSE TEMFILE OPEN OUTPUT TEMFILE
6830: MOVE TENTOT TO DISCNT
6840: DISPLAY " # OF NON CHANGES AFTER FUDGE " DISCNT
6850: MOVE FUDTOT TO DISCNT
6860: DISPLAY " SUM OF NON CHANGES AFTER FUDGE " DISCNT
6870: MOVE 0 TO TENTOT
6880: MOVE 0 TO FUDTOT
6890: MOVE 0 TO REQ100
6900: MOVE 0 TO REQ90
6910: MOVE 0 TO REQ85
6920: MOVE 0 TO REQ80
6930: MOVE 0 TO REQ75
6940: MOVE 0 TO MREQ100
6950: MOVE 0 TO MREQ90
6960: MOVE 0 TO MREQ85
6970: MOVE 0 TO MREQ80
6980: MOVE 0 TO MREQ75
6990: DISPLAY " TOTAL ALLOC TO TAPE " FUDSUM
7000: MOVE 0 TO FUDSUM
7010: GO TO CUS-130.
7020: MOVE TENREC TO AREC.
7030: MOVE ADALL TO TWM-VAL.
7040: COMPUTE ADALL ROUNDED = ADALL * FUDGE.
7050: IF TWM-VAL = ADALL ADD 1 TO TENTOT
7060: ADD ADALL TO FUDTOT.
7070: IF ADALL > AD MOVE AD TO ADALL.
7080: ADD ADALL TO FUDSUM.
7090: WRITE-400.
7100: WRITE ALLREC FROM AREC.
7110: ADD 1 TO ALLCNT.
7120: GO-410.
7130: GO TO READ-39.
7140: DUMP-420.
7150: READ TEMFILE AT END MOVE CUS TO HCUS MOVE CUSS TO HCUSS
7160: MOVE WBS23 TO HWBS23 MOVE DRAW TO HDRAW MOVE OC TO HOC
7170: CLOSE TEMFILE OPEN OUTPUT TEMFILE MOVE 0 TO RFLAG

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7180\GO TO CUS-130.
7190\MOVE TEMREC TO AREC.
7200\PERFORM WRITE-400.
7210\GO TO DUMP-42.
7220\CHECK-430.
7230\IF LFLAG NOT = 0 MOVE 1 TO FLAG GO TO REW-320.
7240\IF RFLAG NOT = 0 MOVE 1 TO FLAG GO TO REW-320.
7250:END-440.
7260\MOVE PERCNT TO DISCNT.
7270\DISPLAY "NO. OF PERCENT REC READ = " DISCNT.
7280\MOVE MODCNT TO DISCNT.
7290\DISPLAY "NO. OF REQ REC READ = " DISCNT.
7300\MOVE TEMCNT TO DISCNT.
7310\DISPLAY "TOTAL NO. OF TEMP REC WRITTEN = " DISCNT.
7320\MOVE ALLCNT TO DISCNT.
7330\DISPLAY "NO. OF ALLOC REC WRITTEN = " DISCNT.
7340\MOVE REQCNT TO DISCNT.
7350\DISPLAY "NO. OF REQ DOL REC READ = " DISCNT.
7360\CLOSE PERFILE MODFILE DOLFILE TEMFILE ALLFILE REQFILE.
7370\STOP RUN.
7380$:ENDJOB

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CATALOG/FILE DESCRIPTION= RCS/MODREQ.R

010##N,R(AC)
 020\$:IDENT:WP0955,LOSER(81) CJW 72751 MODREQ.R
 030\$:LIMITS:15,,,9K
 040\$:OPTION:NOMAP
 050\$:GMAP:NDECK
 060:600SM
 070:SORT:FCB,,12
 080:FIELD:(C6,C1,C23,C2,C3,C1,C4,C1)
 090:SEQ:(A5,A6,A8,A2)
 100:PICK:SELECT,(5),(=5H DAF)
 110:FILCB:FCB,**,2
 120:END
 130\$:EXECUTE
 140\$:LIMITS:15,,,2K
 150\$:TAPE:SA,X1D,,71289,,MODRAN
 160\$:FILE:S1,S1R,2 R
 170\$:FILE:S2,S2R,2R
 180\$:FILE:S3,S3R,2 R
 190\$:FILE:S2,A1S,3 L
 200\$:OPTION:COBOL,NOMAP
 210\$:SELECT:RCS/MODREQ.O
 220\$:EXECUTE
 230\$:LIMITS:15,,,5K
 240\$:FILE:AA,A1R,3 L
 250\$:REMOTE:BB,AC
 260\$:ENDJOB

APPENDIX A.6

PROGRAM LISTING - MODREQ.R - MODREQ.S

CATALOG/FILE DESCRIPTION= RCS/MODREQ.S

10##MOVE,ROUT(AC) <,7;:,8,16;\,12,30
20S:IDENT:WPC955,LOSER(81) WILHELM X72751 MODREQ.S
30S:LIMITS:15,,,9K
40S:OPTION:NOMAP
50S:COBOL:DECK
60S:PRMFL:C*,W,S,RCS/MODREQ.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. MODREQ.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130\GTIME IS TODAY.
140:FILE-CONTROL.
150\SELECT INFILE ASSIGN TO AA.
160\SELECT OTFILE ASSIGN TO BB FOR LISTING.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE OTFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\03 FILLER\PIC X(72).
250:FD OTFILE
260\LABEL RECORDS ARE STANDARD
270\REPORT IS CUM-REP.
280:WORKING-STORAGE SECTION.
290:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
300:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
310:77 DISCNT\PIC Z(6)9.
320:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
330:77 AMT\PIC 9(7) VALUE 0 COMP-1.
340:77 DATE\PIC X(9).
350:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
360:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
370:77 HLD-ALC\PIC XX VALUE SPACE.
380:77 LCTR\PIC 99 VALUE 0 COMP-1.
390:77 SUB1\PIC 99 VALUE 0 COMP-1.
400:77 SUB2\PIC 99 VALUE 0 COMP-1.
410:77 SUB3\PIC 99 VALUE 0 COMP-1.
420:77 SUB4\PIC 99 VALUE 0 COMP-1.
430:77 CCTR\PIC 99 VALUE 0 COMP-1.
440:77 OCTR\PIC 99 VALUE 0 COMP-1.
450:77 HCTR\PIC 9 VALUE 1 COMP-1.
460:77 HCUS\PIC XXX VALUE SPACE.
470:77 RCTR\PIC 9(7) VALUE 0 COMP-1.
480:77 DCTR\PIC 9(7) VALUE 0 COMP-1.
490:01 DAZE.
500\02 XMO\PIC 99.
510\02 DAT\PIC 99.
520\02 YRX\PIC 99.
530\02 TYME\PIC 9(8) COMP-1.
540:01 DTE.
550\02 DMO\PIC 99.
560\02 FILLDX\PIC X VALUE "/".
570\02 DDT\PIC 99.

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580\02 FILLDY\PIC X VALUE "/".
590\02 DXYR\PIC 99.
600:01 IREC.
610\03 PC\PIC XXXX.
620\03 FY\PIC XX.
630\03 RGC\PIC X.
640\03 KS\PIC X(10).
650\03 MDS\PIC X(1).
660\03 WBS\PIC X(5).
670\03 CUS\PIC XXX.
680\03 OC\PIC X.
690\03 PAC\PIC XX.
700\03 ALC\PIC XX.
710\03 DRAW\PIC X.
712\03 RID\PIC XX.
714\03 QTY\PIC 9(7).
720\03 REQ\PIC 9(7).
730\03 MD\PIC X(5).
740\03 PRI\PIC 99.
750\03 ALOC\PIC 9(7).
760\03 FILLER\PIC X.
770:01 SUMTAB.
780:02 TOC\OCCURS 3.
790\03 TDRAW\OCCURS 4.
800\04 TDOL\PIC 9(7) OCCURS 23.
810:01 RTAB.
820:02 ROC\OCCURS 3.
830\03 RDRAW\OCCURS 4.
840\04 DOL\PIC 9(7) OCCURS 23.
850:01 OTAB.
860:02 OCC\OCCURS 3.
870\03 ODRAW\OCCURS 4.
880\04 ODOL\PIC 9(7) OCCURS 23.
890:01 GRTAB.
900:02 GROC\OCCURS 3.
910\03 GRDRAW\OCCURS 4.
920\04 GPDOL\PIC 9(7) OCCURS 23.
930:01 ATAB.
940:02 AOC\OCCURS 3.
950\03 ADRAW\OCCURS 4.
960\04 ADOL\PIC 9(7) OCCURS 23.
970:01 AOTAB.
980:02 AOCOC\OCCURS 3.
990\03 AODRAW\OCCURS 4.
1000\04 AODOL\PIC 9(7) OCCURS 23.
1010:01 AGTAB.
1020:02 AGOC\OCCURS 3.
1030\03 AGDRAW\OCCURS 4.
1040\04 AGDOL\PIC 9(7) OCCURS 23.
1050:01 CONRGC.
1060\03 FILLER\PIC X(56) VALUE
12 1070\03 A B TOT C D TOT E F ".
11 1080\03 FILLER\PIC X(56) VALUE
10 1090\03 TOT G H TOT J K L TOT ".
9 1100\03 FILLER\PIC X(49) VALUE
8 1110\03 M N P R S TOT GRN TOT".
7 1120:01 RGCTAB REDEFINES CONRGC.
6 1130:02 TRGC\PIC X(7) OCCURS 23.
5 1140:01 REQALL.
4 1150\03 FILLER\SIZE 22 VALUE

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1160\ "REQUIREMENT ALLOCATIONS".
 1170:01 ALRE REDEFINES REQALL.
 1180\03 AR\PIC X(11) OCCURS 2.
 1190:REPORT SECTION.
 1200:RD CUM-REP
 1210\CONTROLS ARE HCUS HCTR
 1220\PAGE LIMIT IS 64 LINES
 1230\HEADING 1
 1240\FIRST DETAIL 7.
 1250:01 TYPE IS CF HCUS NEXT GROUP IS NEXT PAGE.
 1260: 02 LINE PLUS 01.
 1270\03 COLUMN 2\SIZE 128 VALUE ALL "*",
 1280:01 TYPE IS CH HCTR.
 1290: 02 LINE PLUS 02.
 1300\03 COLUMN 2\PIC X(11) SOURCE AF (HCTR).
 1310: 02 LINE PLUS 0.
 1320\03 COLUMN 2\SIZE 11 VALUE ALL "-".
 1330:01 TYPE IS PH.
 1340: 02 LINE PLUS 01.
 1350\03 COLUMN 2\SIZE 4 VALUE "OPR".
 1360\03 COLUMN 7\SIZE 5 VALUE "XRSXX".
 1370\03 COLUMN 46\SIZE 24 VALUE "DOLLAR TOTAL BY CUSTOMER".
 1380\03 COLUMN 116\SIZE 14 VALUE "CONTROL NUMBER".
 1390: 02 LINE PLUS 01.
 1400\03 COLUMN 2\SIZE 5 VALUE "DATE".
 1410\03 COLUMN 10\PIC X(9) SOURCE DTE.
 1420\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
 1430\03 COLUMN 62\PIC XX SOURCE FY.
 1440\03 COLUMN 80\SIZE 8 VALUE "CUSTOMER".
 1450\03 COLUMN 90\PIC XXX SOURCE HCUS.
 1460\03 COLUMN 122\SIZE 4 VALUE "PAGE".
 1470\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
 1480: 02 LINE PLUS 02.
 1490\03 COLUMN 24\SIZE 7 VALUE "ORGANIC".
 1500\03 COLUMN 66\SIZE 8 VALUE "CONTRACT".
 1510\03 COLUMN 106\SIZE 5 VALUE "TOTAL".
 1520: 02 LINE PLUS 01.
 1530\03 COLUMN 14\SIZE 1 VALUE "D".
 1540\03 COLUMN 24\SIZE 1 VALUE "R".
 1550\03 COLUMN 34\SIZE 1 VALUE "A".
 1560\03 COLUMN 42\SIZE 3 VALUE "TOT".
 1570\03 COLUMN 56\SIZE 1 VALUE "D".
 1580\03 COLUMN 66\SIZE 1 VALUE "R".
 1590\03 COLUMN 76\SIZE 1 VALUE "A".
 1600\03 COLUMN 84\SIZE 3 VALUE "TOT".
 1610\03 COLUMN 98\SIZE 1 VALUE "D".
 1620\03 COLUMN 108\SIZE 1 VALUE "R".
 1630\03 COLUMN 118\SIZE 1 VALUE "A".
 1640\03 COLUMN 126\SIZE 3 VALUE "TOT".
 1650: 02 LINE PLUS 0.
 1660\03 COLUMN 2\SIZE 128 VALUE ALL "-".
 1670:01 RL TYPE DE LINE PLUS 01.
 1680\03 COLUMN 2\PIC X(7) SOURCE TRGC (LCR).
 1690\03 COLUMN 10\PIC Z(6)9 SOURCE TDOL (1,1,LCR).
 1700\03 COLUMN 20\PIC Z(6)9 SOURCE TDOL (1,2,LCR).
 1710\03 COLUMN 30\PIC Z(6)9 SOURCE TDOL (1,3,LCR).
 1720\03 COLUMN 40\PIC Z(6)9 SOURCE TDOL (1,4,LCR).
 1730\03 COLUMN 52\PIC Z(6)9 SOURCE TDOL (2,1,LCR).
 1740\03 COLUMN 62\PIC Z(6)9 SOURCE TDOL (2,2,LCR).
 1750\03 COLUMN 72\PIC Z(6)9 SOURCE TDOL (2,3,LCR).

1760\03 COLUMN 82\PIC 2(6)9 SOURCE TDOL (2,4,LCTR).
1770\03 COLUMN 94\PIC 2(6)9 SOURCE TDOL (3,1,LCTR).
1780\03 COLUMN 104\PIC 2(6)9 SOURCE TDOL (3,2,LCTR).
1790\03 COLUMN 114\PIC 2(6)9 SOURCE TDOL (3,3,LCTR).
1800\03 COLUMN 124\PIC 2(6)9 SOURCE TDOL (3,4,LCTR).
1810:PROCEDURE DIVISION.
1820:START=0.
1830\OPEN INPUT INFILE OUTPUT OTFILE.
1840\ACCEPT DAZE FROM TODAY.
1850\MOVE XMO TO DMO.
1860\MOVE DAT TO DDT.
1870\MOVE YRX TO DAYR.
1880\INITIATE CUM-REP.
1890\MOVE ZERO TO OTAB AOTAB.
1900\MOVE ZERO TO GRTAB AGTAB.
1910:READ-10.
1920\READ INFILE AT END GO TO END-20.
1930\ADD 1 TO INCNT.
1940\MOVE INREC TO IREC.
1950\IF CUS = HCUS GO TO DO-PROG.
1960\IF HCUS = SPACE GO TO ZERO-SUM.
1970\IF HCUS = "AFR" GO TO GEN-15.
1980\IF HCUS = "ANG" GO TO GEN-15.
1990\IF HCUS = "DA " GO TO GEN-15.
2000\IF HCUS = "DAF" GO TO GEN-15.
2010\IF HCUS = "DN " GO TO GEN-15.
2020\IF HCUS = "MAC" GO TO GEN-15.
2030\IF HCUS = "MAP" GO TO GEN-15.
2040\IF HCUS = "SYS" GO TO GEN-15.
2050\IF ODOL (3,4,23) = 0 GO TO GEN-15.
2060\GO TO GEN-15.
2070:ZERO-SUM.
2080\MOVE ZERO TO SUMTAB ATAB RTAB.
2090\MOVE CUS TO HCUS.
2100\IF CUS = "AFR" MOVE 1 TO CCTR GO TO DO-PROG.
2110\IF CUS = "ANG" MOVE 2 TO CCTR GO TO DO-PROG.
2120\IF CUS = "DA " MOVE 3 TO CCTR GO TO DO-PROG.
2130\IF CUS = "DAF" MOVE 4 TO CCTR GO TO DO-PROG.
2140\IF CUS = "DN " MOVE 5 TO CCTR GO TO DO-PROG.
2150\IF CUS = "MAC" MOVE 6 TO CCTR GO TO DO-PROG.
2160\IF CUS = "MAP" MOVE 7 TO CCTR GO TO DO-PROG.
2170\IF CUS = "SYS" MOVE 8 TO CCTR GO TO DO-PROG.
2180\MOVE 9 TO CCTR.
2190\ADD 1 TO OCTR.
2200\MOVE OTAB TO RTAB.
2210\MOVE AOTAB TO ATAB.
2220:DO-PROG.
2230\IF OC = "C" MOVE 2 TO SUB1.
2240\IF OC = "O" MOVE 1 TO SUB1.
2250\IF DRAW = "D" MOVE 1 TO SUB2 GO TO CHK-BGC.
2260\IF DRAW = "R" MOVE 2 TO SUB2 GO TO CHK-BGC.
2270\IF DRAW = "A" MOVE 3 TO SUB2 GO TO CHK-BGC.
2280\ADD 1 TO DCTR.
2290\IF DRAW = "X" GO TO WRONG-DRAW ELSE GO TO READ-10.
2291:WRONG-DRAW.
2292\MOVE INCNT TO DISCNT.
2293\DISPLAY "NOT USED DRAW " DRAW DISCNT IREC.
2294\MOVE DCTR TO DISCNT.
2295\DISPLAY "THIS MANY " DISCNT.
2296\GO TO READ-10.

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2300:CHK-RGC.
2310\IF RGC = "A" MOVE 1 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2320\IF RGC = "B" MOVE 2 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2330\IF RGC = "C" MOVE 4 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2340\IF RGC = "D" MOVE 5 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2350\IF RGC = "E" MOVE 7 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2360\IF RGC = "F" MOVE 8 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2370\IF RGC = "G" MOVE 10 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2380\IF RGC = "H" MOVE 11 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2390\IF RGC = "J" MOVE 13 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2400\IF RGC = "K" MOVE 14 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2410\IF RGC = "L" MOVE 15 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2420\IF RGC = "M" MOVE 17 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2430\IF RGC = "N" MOVE 18 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2440\IF RGC = "P" MOVE 19 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2450\IF RGC = "R" MOVE 20 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2460\IF RGC = "S" MOVE 21 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2470\ADD 1 TO RCTR.
2472\MOVE RCTR TO DISCNT.
2474\DISPLAY "INVALID RGC " RGC DISCNT IREC.
2476\MOVE INCNT TO DISCNT.
2477\DISPLAY "THIS REC " DISCNT.
2480\GO TO READ-10.
2490:CHK-ST.
2500\IF RGC < "C" MOVE 3 TO SUB4 GO TO STOT-RTNE.
2510\IF RGC < "E" MOVE 6 TO SUB4 GO TO STOT-RTNE.
2520\IF RGC < "G" MOVE 9 TO SUB4 GO TO STOT-RTNE.
2530\IF RGC < "J" MOVE 12 TO SUB4 GO TO STOT-RTNE.
2540\IF RGC < "M" MOVE 16 TO SUB4 GO TO STOT-RTNE.
2550\MOVE 22 TO SUB4.
2560\GO TO STOT-RTNE.
2570:GEN-15.
2580\IF CCTR = 9 MOVE RTAB TO OTAB MOVE ATAB TO AOTAB
2590\GO TO ZERO-SUM.
2600:REQ-RTNE.
2610\MOVE 1 TO HCTR.
2620\MOVE RTAB TO SUMTAB.
2630:LINE-RTNE.
2640\MOVE 1 TO LCTR.
2650:LINE-GEN.
2660\GENERATE RL.
2670\IF LCTR = 23 GO TO LINE-EXIT.
2680\ADD 1 TO LCTR.
2690\GO TO LINE-GEN.
2700:LINE-EXIT.
2710\EXIT.
2720:ALOC-RTNE.
2730\MOVE 2 TO HCTR.
2740\MOVE ATAB TO SUMTAB.
2750\PERFORM LINE-RTNE THRU LINE-EXIT.
2760:RETURN-LINE.
2770\GO TO ZERO-SUM.
2780:ADD-LINE.
2790\ADD REQ TO DOL (SUB1,SUB2,SUB3) GRDOL (SUB1,SUB2,SUB3).
2800\ADD ALOC TO ADOL (SUB1,SUB2,SUB3) AGDOL (SUB1,SUB2,SUB3).
2810\ADD REQ TO DOL (SUB1,4,SUB3) GRDOL (SUB1,4,SUB3).
2820\ADD ALOC TO ADOL (SUB1,4,SUB3) AGDOL (SUB1,4,SUB3).
2830\ADD REQ TO DOL (3,SUB2,SUB3) GRDOL (3,SUB2,SUB3).
2840\ADD ALOC TO ADOL (3,SUB2,SUB3) AGDOL (3,SUB2,SUB3).
2850\ADD REQ TO DOL (3,4,SUB3) GRDOL (3,4,SUB3).

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2860\ADD ALOC TO ADOL (3,4,SUB3) AGDOL (3,4,SUB3).
2870:STOT-RTNE.
2880\ADD REQ TO DOL (SUB1,SUB2,SUB4) GRDOL (SUB1,SUB2,SUB4).
2890\ADD ALOC TO ADOL (SUB1,SUB2,SUB4) AGDOL (SUB1,SUB2,SUB4).
2900\ADD REQ TO DOL (SUB1,4,SUB4) GRDOL (SUB1,4,SUB4).
2910\ADD ALOC TO ADOL (SUB1,4,SUB4) AGDOL (SUB1,4,SUB4).
2920\ADD REQ TO DOL (3,SUB2,SUB4) GRDOL (3,SUB2,SUB4).
2930\ADD ALOC TO ADOL (3,SUB2,SUB4) AGDOL (3,SUB2,SUB4).
2940\ADD REQ TO DOL (3,4,SUB4) GRDOL (3,4,SUB4).
2950\ADD ALOC TO ADOL (3,4,SUB4) AGDOL (3,4,SUB4).
2960:TOT-RTNE.
2970\ADD REQ TO DOL (SUB1,SUB2,23) GRDOL (SUB1,SUB2,23).
2980\ADD ALOC TO ADOL (SUB1,SUB2,23) AGDOL (SUB1,SUB2,23).
2990\ADD REQ TO DOL (SUB1,4,23) GRDOL (SUB1,4,23).
3000\ADD ALOC TO ADOL (SUB1,4,23) AGDOL (SUB1,4,23).
3010\ADD REQ TO DOL (3,SUB2,23) GRDOL (3,SUB2,23).
3020\ADD ALOC TO ADOL (3,SUB2,23) AGDOL (3,SUB2,23).
3030\ADD REQ TO DOL (3,4,23) GRDOL (3,4,23).
3040\ADD ALOC TO ADOL (3,4,23) AGDOL (3,4,23).
3050\ADD 1 TO OTCNT.
3060\GO TO READ-10.
3070:END-20.
3080\IF CCTR = 9 MOVE "OTH" TO HCUS PERFORM REQ-RTNE THRU
3090\ ALOC-RTNE GO TO END-25.
3100\PERFORM REQ-RTNE THRU ALOC-RTNE.
3110\MOVE OTAB TO SUMTAB.
3120\MOVE "OTH" TO HCUS.
3130\MOVE 1 TO HCTR.
3140\PERFORM LINE-RTNE THRU LINE-EXIT.
3150\MOVE AOTAB TO SUMTAB.
3160\MOVE 2 TO HCTR.
3170\PERFORM LINE-RTNE THRU LINE-EXIT.
3180:END-25.
3190\MOVE 1 TO HCTR.
3200\MOVE "GRN" TO HCUS.
3210\MOVE GRTAB TO SUMTAB.
3220\PERFORM LINE-RTNE THRU LINE-EXIT.
3230\MOVE 2 TO HCTR.
3240\MOVE AGTAB TO SUMTAB.
3250\PERFORM LINE-RTNE THRU LINE-EXIT.
3260\MOVE INCNT TO DISCNT.
3270\DISPLAY "NO. OF REC READ = " DISCNT.
3280\MOVE OTCNT TO DISCNT.
3290\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
3300\TERMINATE CUM-REP.
3310\CLOSE INFILE OTFILE.
3320\STOP RUN.
3330:ENDJOB

```

APPENDIX A.7

PROGRAM LISTINGS - MODSUM.R - MODSUM.S

CATALOG/FILE DESCRIPTION= RCS/MODSUM.R

010##N,R(AC)
020\$:IDENT:WP0955,LOPER(81) CJW 72751 MODSUM.R
030\$:LIMITS:15,,,9K
040\$:OPTION:NOMAP
050\$:GNAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C1,C4,C1,C16,C5,C9,C1)
090:SEQ:(A10,A12,A5,A2,A8)
100:PICK:SELECT,(5).(=5H DAF!
110:FILCB:FCB,**,2
120:END
130\$:EXECUTE
140\$:LIMITS:10,,,2K
150\$:TAPE:SA,S1R,,71289,,MODRAN
160\$:FILE:S1,S1R,2 R
170\$:FILE:S2,S2R,2 R
180\$:FILE:S3,S3R,2 R
190\$:FILE:S2,A1S,3CL
200\$:OPTION:COBOL,NOMAP
210\$:SELECT:RCS/MODSUM.O
220\$:EXECUTE
230\$:LIMITS:15,,,5K
240\$:FILE:AA,A1R,3CL
250\$:REMOTE:BB,AC
260\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODSUM.S

10##M :.8,16;\,12,30
20S:IDENT:WP0955,LORER(81) WILHELM 72751 MODSUM.S
30S:LIMITS:8,,,9K
40S:OPTION:NOMAP
50S:COBOL:DECK
60S:PRMFL:C*,W,S,RCS/MODSUM.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. MODSUM.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\GTIME IS TODAY.
130\COMPILE ERRORS.
140:FILE-CONTROL.
150\SELECT INFILE ASSIGN TO AA.
160\SELECT OTFILE ASSIGN TO BB FOR LISTING.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE OTFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\03 FILLER\PIC X(72).
250:FD OTFILE
260\LABEL RECORDS ARE STANDARD
270\REPORT IS CUM-REP.
280:WORKING-STORAGE SECTION.
290:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
300:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
310:77 ADDCNT\PIC 9(7) VALUE 0 COMP-1.
320:77 DISCNT\PIC 2(6)9.
330:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
340:77 AMT\PIC 9(7) VALUE 0 COMP-1.
350:77 DATE\PIC X(9).
360:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
370:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
380:77 HEGC\PIC X VALUE SPACE.
390:77 RGCTOT\PIC 9(7) VALUE 0 COMP-1.
400:77 ARGCTOT\PIC 9(7) VALUE 0 COMP-1.
410:77 HCU5\PIC XXX VALUE SPACE.
420:77 HHDS\PIC X(5) VALUE SPACE.
430:77 HPRI\PIC XX VALUE SPACE.
440:77 CUSTOT\PIC 9(7) VALUE 0.
450:77 ACFTOT\PIC 9(7) VALUE 0.
460:77 ACUSTOT\PIC 9(7) VALUE 0 COMP-1.
470:77 RCUSTOT\PIC 9(7) VALUE 0 COMP-1.
480:77 RACFTS\PIC 9(7) VALUE 0 COMP-1.
490:77 RACFTS\PIC 9(7) VALUE 0 COMP-1.
500:77 CTR\PIC 9 VALUE 1.
510:77 QUOT\PIC 9V9(6) VALUE 0.
520:77 PERCUS\PIC 9V9(6) VALUE 0.
530:77 PERACFT\PIC 9V9(6) VALUE 0.
540:77 PERQUO\PIC 999V9 VALUE 0.
550:77 PERTOT\PIC 999V9 VALUE 0.
560:77 PERHDS\PIC 999V9 VALUE 0.
570:77 INSUFT\PIC X VALUE SPACE.

580:77 CNT\PIC 9 VALUE 0.
590:77 ACTR\PIC 9999 VALUE 1 COMP-1.
600:77 CCTR\PIC 9999 VALUE 1 COMP-1.
610:01 DAZE.
620\02 XMO\PIC 99.
630\02 DAT\PIC 99.
640\02 YRX\PIC 99.
650\02 TYME\PIC 9(8) COMP-1.
660:01 DTE.
670\02 DMO\PIC 99.
680\02 FILLI\PIC X VALUE "/",
690\02 DDT\PIC 99.
700\02 FILLDY\PIC X VALUE "/",
710\02 DXYE\PIC 99.
720:01 IREC.
730\03 PC\PIC XXXX.
740\03 FY\PIC XX.
750\03 RGC\PIC X.
760\03 KS\PIC X(10).
770\03 HDS\PIC X(1).
780\03 WBS\PIC X(5).
790\03 CUS\PIC XXX.
800\03 OC\PIC X.
810\03 FAC\PIC XX.
820\03 ALC\PIC XX.
830\03 DRAL\PIC X.
833\03 RID\PIC XX.
836\03 QTY\PIC 9(7).
840\03 REQ\PIC 9(7).
850\03 MD\PIC X(5).
860\03 PRI\PIC 99.
870\03 ADOL\PIC 9(7).
880\03 FILLER\PIC X.
890:01 SUBTAB.
900\03 SVAL\PIC X(18) VALUE " SUB TOTAL".
910:01 TABSUB REDEFINES SUBTAB.
920\03 SUBT\PIC X(9) OCCURS 2.
930:REPORT SECTION.
940:RD CUM-REP
950\PAGE LIMIT IS 57 LINES
960\HEADING 1
970\FIRST DETAIL 8
980\FOOTING 55.
990: 01 CL TYPE IS DE NEXT GROUP PLUS 02.
1000: 02 LINE PLUS 02.
1010\03 COLUMN 3\SIZE 3 VALUE "---".
1020\03 COLUMN 6\PIC X(5) SOURCE HMDS.
1030\03 COLUMN 11\SIZE 3 VALUE "---".
1040\03 COLUMN 15\SIZE 17 VALUE "CUSTOMER SUBTOTAL".
1050\03 COLUMN 32\SIZE 1 VALUE "***".
1060\03 COLUMN 33\PIC XXX SOURCE HCUS.
1070\03 COLUMN 36\SIZE 1 VALUE "+".
1080\03 COLUMN 37\SIZE 12 VALUE ALL ">".
1090\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.
1100\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.
1110\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
1120\03 COLUMN 101\PIC ZZ9.9 SOURCE PERTOT.
1130\03 COLUMN 106\PIC X SOURCE INSUFT.
1140\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.
1150:01 AL TYPE IS DE NEXT GROUP PLUS 03.

1160: 02 LINE PLUS 01.
 1170\03 COLUMN 3\SIZE 3 VALUE "****".
 1180\03 COLUMN 6\PIC X(5) SOURCE HMDS.
 1190\03 COLUMN 11\SIZE 3 VALUE "****".
 1200\03 COLUMN 15\SIZE 17 VALUE "AIRCRAFT SUBTOTAL".
 1210\03 COLUMN 33\SIZE 16 VALUE ALL ">".
 1220\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE RECTOT.
 1230\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.
 1240\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
 1250\03 COLUMN 101\PIC ZZ9.9 SOURCE PERMDS.
 1260\03 COLUMN 106\PIC X SOURCE INSUFT.
 1270\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.
 1280:01 TYPE IS PF.
 1290: 02 LINE PLUS 01.
 1300\03 COLUMN 3\SIZE 3 VALUE "****".
 1310\03 COLUMN 6\SIZE 1 VALUE "#".
 1320\03 COLUMN 8\SIZE 21 VALUE "VALUE 0 IN ANY FIELD".
 1330\03 COLUMN 29\SIZE 21 VALUE "RESULTS IN # APPENDED".
 1340\03 COLUMN 50\SIZE 21 VALUE "ZERO PLACED IN PERCE".
 1350\03 COLUMN 71\SIZE 21 VALUE "NTAGE FIELD DUE TO UN".
 1360\03 COLUMN 92\SIZE 21 VALUE "CERTAINTY OF QUOTIENT".
 1370:01 TYPE IS PH.
 1380: 02 LINE PLUS 01.
 1390\03 COLUMN 3\SIZE 3 VALUE "OFF".
 1400\03 COLUMN 7\PIC X(5) VALUE "XRS".
 1410\03 COLUMN 40\SIZE 51 VALUE
 1420\03 "DPEN REQUIREMENT-ALLOCATION SUMMARY BY MODEL DESIGN".
 1430\03 COLUMN 112\SIZE 3 VALUE "RCN".
 1440\03 COLUMN 116\SIZE 14 VALUE "CONTROL NUMBER".
 1450: 02 LINE PLUS 01.
 1460\03 COLUMN 2\SIZE 4 VALUE "DATE".
 1470\03 COLUMN 10\PIC X(9) SOURCE DTE.
 1480\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
 1490\03 COLUMN 62\PIC XX SOURCE FY.
 1500\03 COLUMN 122\SIZE 4 VALUE "PAGE".
 1510\03 COLUMN 127\PIC ZZ9 SOURCE PAGE-COUNTER.
 1520: 02 LINE PLUS 02.
 1530\03 COLUMN 2\SIZE 5 VALUE "MODEL".
 1540\03 COLUMN 10\SIZE 8 VALUE "CUSTOMER".
 1550\03 COLUMN 22\SIZE 12 VALUE "REPAIR GROUP".
 1560\03 COLUMN 36\SIZE 8 VALUE "LEVEL OF".
 1570\03 COLUMN 48\SIZE 11 VALUE "REQUIREMENT".
 1580\03 COLUMN 62\SIZE 17 VALUE "CUMMULATIVE REQNT".
 1590\03 COLUMN 85\SIZE 9 VALUE "ALLOCATED".
 1600\03 COLUMN 100\SIZE 7 VALUE "PERCENT".
 1610\03 COLUMN 110\SIZE 21 VALUE "CUMMULATIVE ALLOCATED".
 1620: 02 LINE PLUS 01.
 1630\03 COLUMN 2\SIZE 6 VALUE "DESIGN".
 1640\03 COLUMN 12\SIZE 4 VALUE "CODE".
 1650\03 COLUMN 24\SIZE 8 VALUE "CATEGORY".
 1660\03 COLUMN 36\SIZE 8 VALUE "PRIORITY".
 1670\03 COLUMN 46\SIZE 14 VALUE "DOLLARS (\$000)".
 1680\03 COLUMN 64\SIZE 14 VALUE "DOLLARS (\$000)".
 1690\03 COLUMN 83\SIZE 14 VALUE "DOLLARS (\$000)".
 1700\03 COLUMN 101\SIZE 5 VALUE "REQNT".
 1710\03 COLUMN 114\SIZE 14 VALUE "DOLLARS (\$000)".
 1720:01 RL TYPE DE LINE PLUS 01.
 1730\03 COLUMN 2\PIC X(5) SOURCE HMDS.
 1740\03 COLUMN 12\PIC XXX SOURCE HCUS.
 1750\03 COLUMN 28\PIC X SOURCE HRCG.

1760\03 COLUMN 40\PIC XX SOURCE HPRI.
 1770\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.
 1780\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.
 1790\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
 1800\03 COLUMN 101\PIC ZZ9.9 SOURCE PERQUO.
 1810\03 COLUMN 106\PIC X SOURCE INSUFT.
 1820\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.
 1830:PROCEDURE DIVISION.
 1840:START-0.
 1850\OPEN INPUT INFILE OUTPUT OTFILE.
 1860\ACCEPT DAZE FROM TODAY.
 1870\MOVE XMO TO DMO.
 1880\MOVE DAT TO DLT.
 1890\MOVE YRX TO DXR.
 1900\INITIATE CUM-REP.
 1910:READ-10.
 1920\READ INFILE AT END GO TO FINISH-70.
 1930\ADD 1 TO INCNT.
 1940\MOVE INREC TO IREC.
 1950:CHECK-12.
 1960\IF RGC EQUAL TO HRGC GO TO CHECK-19.
 1970\IF HRGC = SPACE GO TO INITIAL-15.
 1980:SUFT-RTNE1.
 1990\IF ALLTOT = ZERO MOVE 1 TO CNT GO TO INSUFT-RINE.
 2000\IF REQTOT = ZERO MOVE 1 TO CNT GO TO INSUFT-RINE.
 2010\DIVIDE ALLTOT BY REQTOT GIVING QUOT.
 2020\MULTIPLY QUOT BY 100 GIVING PERQUO.
 2030\GO TO ADD-14.
 2040:INSUFT-RINE.
 2050\MOVE "#" TO INSUFT.
 2060\IF CNT = 1 MOVE ZERO TO PERQUO.
 2070\IF CNT = 2 MOVE ZERO TO PERTOT.
 2080\IF CNT = 3 MOVE ZERO TO PERMDS.
 2090:ADD-14.
 2100\ADD REQTOT TO RCUSTOT.
 2110\ADD ALLTOT TO ACUSTOT.
 2120\GO TO GEN-50.
 2130:SUFT-RTNE2.
 2140\DIVIDE ACUSTOT BY RCUSTOT GIVING PERCUS.
 2150\MULTIPLY PERCUS BY 100 GIVING PERTOT.
 2160:SUFT-RTNE3.
 2170\DIVIDE AACPTS BY RACPTS GIVING PERACFT.
 2180\MULTIPLY PERACFT BY 100 GIVING PERMDS.
 2190:INITIAL-15.
 2200\MOVE ZERO TO REQTOT ALLTOT.
 2210\MOVE RGC TO HRGC.
 2220\MOVE 0 TO ACTR.
 2230\MOVE MD TO HMDS.
 2240\MOVE CUS TO HCUS.
 2250\MOVE PRI TO HPRI.
 2260\MOVE 1 TO CTR.
 2270:CHECK-19.
 2280\IF CUS NOT EQUAL TO HCUS GO TO SUFT-RTNE1.
 2290\IF MD NOT EQUAL TO HMDS GO TO SUFT-RTNE1.
 2300:COMPUTE-20.
 2310\MOVE REQ TO AMT.
 2320\ADD AMT TO REQTOT RGCTOT.
 2330\MOVE ADOL TO ALLOC.
 2340\ADD ALLOC TO ALLTOT ARGCTOT.
 2350\ADD 1 TO ADDCNT.

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2360\GO TO READ-10.
2370:CUS-30.
2380\ADD RCUSTOT TO RACFTS.
2390\ADD ACUSTOT TO AACFTS.
2400\IF ACUSTOT = ZERO MOVE 2 TO CNT PERFORM INSUFT-RTNE.
2410\IF RCUSTOT = ZERO MOVE 2 TO CNT PERFORM INSUFT-RTNE.
2420\IF CNT = 0 PERFORM SUFT-RTNE2.
2430\MOVE 2 TO CTR.
2440\ADD 1 TO CCTR.
2450\MOVE RCUSTOT TO REQTOT.
2460\MOVE ACUSTOT TO ALLTOT.
2470\GENERATE CL.
2480\ADD 1 TO OTCNT.
2490\MOVE ZERO TO ALLTOT REQTOT CNT.
2500\MOVE SPACE TO INSUFT.
2510\MOVE ZERO TO RCUSTOT ACUSTOT.
2520:ACFTS-40.
2530\IF CUS = HCUS PERFORM CUS-30.
2540\ADD 1 TO ACTR.
2550\IF AACFTS = ZERO MOVE 3 TO CNT PERFORM INSUFT-RTNE.
2560\IF RACFTS = ZERO MOVE 3 TO CNT PERFORM INSUFT-RTNE.
2570\IF CNT = 0 PERFORM SUFT-RTNE3.
2580\MOVE RACFTS TO REQTOT.
2590\MOVE AACFTS TO ALLTOT.
2600\MOVE AACFTS TO ACFTOT.
2610\MOVE RACFTS TO CUSTOT.
2620\GENERATE AL.
2630\ADD 1 TO OTCNT.
2640\MOVE ZERO TO AACFTS RACFTS CNT.
2650\MOVE SPACE TO INSUFT.
2660:GEN-50.
2670\GENERATE RL.
2680\ADD 1 TO OTCNT.
2690:EXIT-60.
2700\MOVE ZERO TO REQTOT ALLTOT CNT.
2710\MOVE SPACE TO INSUFT.
2720\IF CUS NOT = HCUS PERFORM CUS-30.
2730\IF MD NOT = HMDS PERFORM ACFTS-40.
2740:RETURN-65.
2750\GO TO INITIAL-15.
2760:FINISH-70.
2770\MOVE ALL "Z" TO MD.
2780\MOVE "Z" TO REC.
2790\MOVE "ZZZ" TO CUS.
2800\PERFORM CHECK-12 THRU EXIT-60.
2810:END-80.
2820\MOVE INCNT TO DISCNT.
2830\DISPLAY "NO. OF REC READ = " DISCNT.
2840\MOVE ADDCNT TO DISCNT.
2850\DISPLAY "NO OF REC SUMMED = " DISCNT.
2860\MOVE OTCNT TO DISCNT.
2870\DISPLAY "NO. OF REC WRITTEN = " DISCNT
2880\TERMINATE CUM-REP.
2890\CLOSE INFILE OTFILE.
2900\STOP RUN.
2910:ENDJOB

```

APPENDIX A.3

PROGRAM LISTINGS - MOD500.R - MOD500.S

CATALOG/FILE DESCRIPTION= RCS/MOD500.R

010#AN,R(AC)
020\$IDENT:WP0955,LORER(81) CJW 72751 MOD500.R
030\$LIMITS:15,,,1 K
040\$OPTION:NOMAP
050\$GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C30,C2,C3,C3,C2,C10,C7)
090:SEQ:(A5,D7)
100:PICK:SELECT,(3),(=5H DAF)
110:FILCB:FCB,**,2
120:END
130\$EXECUTE
140\$LIMITS:15,,,1 K
150\$TAPB:SA,X1D,,71289,,MODRAN
160\$FILE:S1,S1R,2 R
170\$FILE:S2,S2R,2 R
180\$FILE:S3,S3R,2 R
190\$FILE:SZ,A1S,3 L
200\$OPTION:COBOL,NOMAP
210\$SELECT:RCS/MOD500.0
220\$EXECUTE
230\$LIMITS:15,,,1 K
240\$FILE:AA,A1R,3 L
250\$REMOTE:BB,AC
260\$ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MOD500.S

```

0001##MOVE,ROUT(AC) : ,8,16;\,12,30
0002S:IDENT:WP0955,MMRER/CJW          72751  MOD500.S
0003S:LIMITS:15,,,9K
0004S:OPTION:NOMAP
0005S:COBOL:DECK
0006S:PRMFL:C*,W,S,RCS/MOD500,0
0010:IDENTIFICATION DIVISION.
0020:PROGRAM-ID. MOD500.
0030:ENVIRONMENT DIVISION.
0040:CONFIGURATION SECTION.
0050:SPECIAL-NAMES.
0060\COMPILE ERRORS.
0070:FILE-CONTROL.
0080\SELECT INFILE ASSIGN TO AA.
0090\SELECT OTFILE ASSIGN TO BB FOR LISTING.
0100:I-O-CONTROL.
0110\APPLY STANDARD ON INFILE OTFILE.
0120:DATA DIVISION.
0130:FILE SECTION.
0140:FD INFILE
0150\LABEL RECORDS STANDARD.
0160:01 INREC.
0170\03 FILLER\PIC X(72).
0180:FD OTFILE
0190\LABEL RECORDS ARE STANDARD
0200\REPORT IS CUM-REP.
0210:WORKING-STORAGE SECTION.
0220:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
0230:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
0240:77 DISCNT\PIC 2(6)9.
0250:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
0260:77 AMT\PIC 9(7) VALUE 0 COMP-1.
0270:77 DATE\PIC X(9).
0280:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
0290:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
0300:77 HLD-ALC\PIC XX VALUE SPACE.
0310:01 IREC.
0320\03 PC\PIC XXXX.
0330\03 FY\PIC XX.
0340\03 RGC\PIC X.
0350\03 KS\PIC X(1).
0360\03 HDS\PIC X(10).
0370\03 WBS\PIC X(5).
0380\03 CUS\PIC XXX.
0390\03 OC\PIC X.
0400\03 FAC\PIC XX.
0410\03 ALC\PIC XX.
0420\03 DRAW\PIC X.
0430\03 RID\PIC XX.
0440\03 QTY\PIC 9(7).
0450\03 REQ\PIC 9(7).
0460\03 MD\PIC X(5).
0470\03 PRI\PIC 99.
0480\03 ADOL\PIC 9(7).
0490\03 CUSS\PIC X.
0500:REPORT SECTION.
0510:RD CUM-REP

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0520\CONTROLS ARE HLD-ALC
 0530\PAGE LIMIT IS 55 LINES
 0540\HEADING 1
 0550\FIRST DETAIL 8.
 0560:01 TYPE IS CP HLD-ALC NEXT GROUP IS NEXT PAGE.
 0570: 02 LINE PLUS 01.
 0580:01 TYPE IS PH.
 0590: 02 LINE PLUS 01.
 0600\03 COLUMN 33\SIZE 39 VALUE
 0610\03 DPEM REQUIREMENT-ALLOCATION SUMMARY BY "
 0620\03 COLUMN 72\SIZE 25 VALUE
 0630\03 HIGH BURNER WEAPON SYSTEM".
 0640: 02 LINE PLUS 01.
 0650\03 COLUMN 10\PIC X(9) SOURCE DATE.
 0660\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
 0670\03 COLUMN 62\PIC XX SOURCE FY.
 0680\03 COLUMN 80\SIZE 3 VALUE "ALC".
 0690\03 COLUMN 85\PIC XX SOURCE ALC.
 0700\03 COLUMN 122\SIZE 4 VALUE "PAGE".
 0710\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
 0720: 02 LINE PLUS 02.
 0730\03 COLUMN 7\SIZE 51 VALUE
 0740\03 MODEL PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-".
 0750\03 COLUMN 59\SIZE 52 VALUE
 0760\03 LEVEL OF REQUIREMENT CUMMULATIVE REQMT ALLOCATED".
 0770\03 COLUMN 114\SIZE 16 VALUE "CUMMULATIVE ALLO".
 0780: 02 LINE PLUS 01.
 0790\03 COLUMN 3\SIZE 55 VALUE
 0800\03 DESIGN SERIES CODE GROUP CAT CODE DOWN STRUCTURE".
 0810\03 COLUMN 59\SIZE 55 VALUE
 0820\03 PRIORITY DOLLARS(\$000) DOLLARS (\$000) DOLLARS (\$000)".
 0830\03 COLUMN 115\SIZE 14 VALUE "DOLLARS (\$000)".
 0840:01 RL TYPE DE LINE PLUS 01.
 0850\03 COLUMN 4\PIC X(10) SOURCE RDS.
 0860\03 COLUMN 18\PIC XXXX SOURCE PC.
 0870\03 COLUMN 29\PIC X SOURCE RGC.
 0880\03 COLUMN 36\PIC AXX SOURCE CUS.
 0890\03 COLUMN 47\PIC X(5) SOURCE WBS.
 0900\03 COLUMN 62\PIC 99 SOURCE PRI.
 0910\03 COLUMN 70\PIC 4,ZZZ,ZZ9 SOURCE REQ.
 0920\03 COLUMN 86\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.
 0930\03 COLUMN 102\PIC Z,ZZZ,ZZ9 SOURCE ADOL.
 0940\03 COLUMN 117\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
 0950:PROCEDURE DIVISION.
 0960:START-0.
 0970\OPEN INPUT INFILE OUTPUT OTFILE.
 0980\ACCEPT DATE.
 0990\INITIATE CUM-REP.
 1000:READ-10.
 1010\READ INFILE AT END GO TO END-20.
 1020\ADD 1 TO INCNT.
 1030\MOVE INREC TO IREC.
 1040\IF ALC NOT EQUAL TO HLD-ALC MOVE 0 TO REQTOT ALLTOT
 1050\ MOVE ALC TO HLD-ALC.
 1060\IF REQ LESS THAN 500 GO TO READ-10.
 1070\MOVE REQ TO AMT.
 1080\ADD AMT TO REQTOT.
 1090\MOVE ADOL TO ALLOC.
 1100\ADD ALLOC TO ALLTOT.
 1110:GEN-15.

1120\GENERATE RL.
1130\ADD 1 TO OTCNT.
1140\GO TO READ-10.
1150:END-20.
1160\MOVE INCNT TO DISCNT.
1170\DISPLAY "NO. OF REC READ = " DISCNT.
1180\MOVE OTCNT TO DISCNT.
1190\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1200\TERMINATE CUM-REP.
1210\CLOSE INFILE OTFILE.
1220\STOP RUN.
1230\$:ENDJOB

APPENDIX A.9

PROGRAM LISTINGS - MODALC.R - MODALC.S

CATALOG/FILE DESCRIPTION= RCS/MODALC.R

010##N
020\$:IDENT:WP0955,LOREER(81) CJW 72751 MODALC.R
030\$:LIMITS:15,,,1-K
040\$:OPTION:NOMAP
050\$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C3,C2,C17,C5)
090:SEQ:(A7,A9,A2)
100:PICK:SELECT,(5),(=5H DAF)
110:FILCB:FCB,**,2
120:END
130\$:EXECUTE
140\$:LIMITS:15,,,1-K
150\$:TAPB:SA,X1D,,71289,,MODRAN
160\$:FILE:S1,S1R,2 R
170\$:FILE:S2,S2R,2 R
180\$:FILE:S3,S3R,2 R
190\$:FILE:SZ,A1S,3 L
200\$:OPTION:COBOL,NOMAP
210\$:SELECT:RCS/MODALC.C
220\$:EXECUTE
230\$:LIMITS:15,,,1-K
240\$:FILE:AA,A1R,3 L
250\$:SYSEOUT:BB
260\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODALC.S

10##M :.8,16;\,12,30
 20\$:IDENT:WPO955,MMRRR/CJW 72751 MODALC.S
 30\$:LIMITS:15,,,9K
 40\$:OPTION:NOMAP
 50\$:COBOL:DECK
 60\$:PRMFL:C*,W,S,RCS/MODALC.O
 70:IDENTIFICATION DIVISION.
 80:PROGRAM-ID. MODALC.
 90:ENVIRONMENT DIVISION.
 100:CONFIGURATION SECTION.
 110:SPECIAL-NAMES.
 120\COMPILE ERRORS.
 130:FILE-CONTROL.
 140\SELECT INFILE ASSIGN TO AA.
 150\SELECT OTFILE ASSIGN TO BB FOR LISTING.
 160:I-O-CONTROL.
 170\APPLY STANDARD ON INFILE OTFILE.
 180:DATA DIVISION.
 190:FILE SECTION.
 200:FD INFILE
 210\LABEL RECORDS STANDARD.
 220:01 INREC.
 230\03 FILLER\PIC X(72).
 240:FD OTFILE
 250\LABEL RECORDS ARE STANDARD
 260\REPORT IS CUM-REP.
 270:WORKING-STORAGE SECTION.
 280:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
 290:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
 300:77 DISCNT\PIC Z(6)9.
 310:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
 320:77 AMT\PIC 9(7) VALUE 0 COMP-1.
 330:77 TODAY\PIC X(9).
 332:77 DATE\PIC X(9).
 335:77 TODAYS-DATE\PIC X(9).
 340:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
 350:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
 360:77 HLD-ALC\PIC XX VALUE SPACE.
 370:01 IRFC.
 380\03 PC\PIC XXXX.
 390\03 FY\PIC XX.
 400\03 RCC\PIC X.
 410\03 KS\PIC X(10).
 420\03 MDS\PIC X(10).
 430\03 WBS\PIC X(5).
 440\03 CUS\PIC XXX.
 450\03 OC\PIC X.
 460\03 FAC\PIC XX.
 470\03 ALC\PIC XX.
 480\03 DRAW\PIC X.
 483\03 RID\PIC XX.
 486\03 QTY\PIC 9(7).
 490\03 REQ\PIC 9(7).
 500\03 MD\PIC X(5).
 510\03 PRI\PIC 99.
 520\03 ADOL\PIC 9(7).
 530\03 FILLER\PIC X.

540:REPORT SECTION.
 550:PD CUM-REP
 560\CONTROLS ARE HLD-ALC
 570\PAGE LIMIT IS 55 LINES
 580\HEADING 1
 590\FIRST DETAIL 8.
 600:01 TYPE IS CF HLD-ALC NEXT GROUP IS NEXT PAGE.
 610: 02 LINE PLUS 01.
 620:01 TYPE IS PH.
 630: 02 LINE PLUS 01.
 640\03 COLUMN 42\SIZE 46 VALUE
 650\ "DPEN REQUIREMENT-ALLOCATION SUMMARY BY MANAGER".
 660: 02 LINE PLUS 01.
 670\03 COLUMN 10\PIC X(9) SOURCE TODAYS-DATE.
 680\ 3 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
 690\03 COLUMN 62\PIC XX SOURCE FY.
 700\03 COLUMN 80\SIZE 3 VALUE "ALC".
 710\03 COLUMN 85\PIC XX SOURCE ALC.
 720\03 COLUMN 122\SIZE 4 VALUE "PAGE".
 730\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
 740: 02 LINE PLUS 02.
 750\03 COLUMN 7\SIZE 51 VALUE
 760\ "MODEL PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-".
 770\03 COLUMN 59\SIZE 52 VALUE
 780\ "LEVEL OF REQUIREMENT CUMMULATIVE REQMT ALLOCATED".
 790\03 COLUMN 114\SIZE 16 VALUE "CUMMULATIVE ALLO".
 800: 02 LINE PLUS 01.
 810\03 COLUMN 3\SIZE 55 VALUE
 820\ "DESIGN SERIES CODE GROUP CAT CODE DOWN STRUCTURE".
 830\03 COLUMN 59\SIZE 55 VALUE
 840\ "PRIORITY DOLLARS(\$000) DOLLARS (\$000) DOLLARS (\$000)".
 850\03 COLUMN 115\SIZE 14 VALUE "DOLLARS (\$000)".
 860:01 RL TYPE DE LINE PLUS 01.
 870\03 COLUMN 4\PIC X(10) SOURCE MDS.
 880\03 COLUMN 18\PIC XXXX SOURCE PC.
 890\03 COLUMN 29\PIC X SOURCE FGC.
 900\03 COLUMN 36\PIC XXX SOURCE CUS.
 910\03 COLUMN 47\PIC X(5) SOURCE WBS.
 920\03 COLUMN 62\PIC 99 SOURCE PRI.
 930\03 COLUMN 70\PIC Z,ZZZ,ZZ9 SOURCE REQ.
 940\03 COLUMN 86\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.
 950\03 COLUMN 102\PIC Z,ZZZ,ZZ9 SOURCE ADOL.
 960\03 COLUMN 117\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
 970:PROCEDURE DIVISION.
 980:START-0.
 990\OPEN INPUT INFILE OUTPUT OTFILE.
 1000\ACCEPT DATE.
 1010\INITIATE CUM-REP.
 1020:READ-10.
 1030\READ INFILE AT END GO TO END-20.
 1040\ADD 1 TO INCNT.
 1050\MOVE INREC TO IREC.
 1060\IF ALC NOT EQUAL TO HLD-ALC MOVE 0 TO REQTOT ALLTOT
 1070\ MOVE ALC TO HLD-ALC.
 1080\MOVE REQ TO AMT.
 1090\ADD AMT TO REQTOT.
 1100\MOVE ADOL TO ALLOC.
 1110\ADD ALLOC TO ALLTOT.
 1120:GEN-15.
 1130\GENERATE RL.

1140\ADD 1 TO OTCNT.
1150\GO TO READ-10.
1160:END-20.
1170\MOVE INCNT TO DISCNT.
1180\DISPLAY "NO. OF REC READ = " DISCNT.
1190\MOVE OTCNT TO DISCNT.
1200\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1210\TERMINATE CUM-REP.
1220\CLOSE INFILE OTFILE.
1230\STOP RUN.
12409:ENDJOB

APPENDIX A.10

PROGRAM LISTINGS - MODPRI.R - MODPRI.S

CATALOG/FILE DESCRIPTION= RCS/MODPRI.R

010##N,R(AC)
020\$:IDENT:WP0955,LOPER(81) CJW 72751 MODPRI,R
030\$:LIMITS:15,,,1K
040\$:OPTION:NOMAP
050\$:GNAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C30,C2,C3,C3,C2,C22,C2)
090:SEQ:(A5,A7)
100:PICK:SPLECT,(3),(=5H DAF)
110:FILCB:FCB,**,2
120:END
130\$:EXECUTE
140\$:LIMITS:15,,,1K
150\$:TAP4:SA,X1D,,71289,,MODRAN
160\$:FILE:S1,S1R,2 R
170\$:FILE:S2,S2R,2 R
180\$:FILE:S3,S3R,2 R
190\$:FILE:S7,A1S,3 L
200\$:OPTION:COBOL,NOMAP
210\$:SELECT:RCS/MODPRI,C
220\$:EXECUTE
230\$:LIMITS:15,,,1K
240\$:FILE:AA,A1R,3 L
250\$:REMOTE:BB,AC
260\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODPRI,S

10#MOVE,ROUT(AC) :.8,16;\,12,30
20S:IDENT:WPO955,MMREP/CJW 72751 MODPRI,S
30S:LIMITS:15,,,9K
40S:OPTION:NOMAP
50S:COBOL:DECK
55S:PRMFL:C*,W,S,RCS/MODPRI,C
60:IDENTIFICATION DIVISION.
70:PROGRAM-ID. MODPRI.
80:ENVIRONMENT DIVISION.
90:CONFIGURATION SECTION.
100:SPECIAL-NAMES.
110\COMPILE ERRORS.
120:FILE-CONTROL.
130\SELECT INFILE ASSIGN TO AA.
140\SELECT OTFILE ASSIGN TO BB FOR LISTING.
150:I-O-CONTROL.
160\APPLY STANDARD ON INFILE OTFILE.
170:DATA DIVISION.
180:FILE SECTION.
190:FD INFILE
200\LABEL RECORDS STANDARD.
210:01 INREC.
220\3 FILLER\PIC X(72).
230:ED OTFILE
240\LABEL RECORDS ARE STANDARD
250\REPORT IS CUM-REP.
260:WORKING-STORAGE SECTION.
270:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
280:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
290:77 DISCNT\PIC Z(6)9.
300:77 PRCOTOT\PIC 9(7) VALUE 0 COMP-1.
310:77 AMT\PIC 9(7) VALUE 0 COMP-1.
320:77 DATE\PIC X(9).
330:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
340:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
350:01 IREC.
360\3 PC\PIC XXXX.
370\3 FY\PIC XX.
380\3 RGC\PIC X.
390\3 KS\PIC X(10).
400\3 MDS\PIC X(1).
410\3 WBS\PIC X(5).
420\3 CUS\PIC XXX.
430\3 OC\PIC X.
440\3 FAC\PIC XX.
450\3 ALC\PIC XX.
460\3 DRAW\PIC X.
463\3 RID\PIC XX.
466\3 QTY\PIC 9(7).
470\3 REQ\PIC 9(7).
480\3 ML\PIC X(5).
490\3 PRI\PIC 99.
500\3 ADOL\PIC 9(7).
510\3 FILLER\PIC X.
520:REPORT SECTION.
530:ED CUM-REP
540\PAGE LIMIT IS 55 LINES

```

550\HEADING 1
560\FIRST DETAIL 8.
570:01 TYPE IS PH.
580: 02 LINE PLUS 01.
590\03 COLUMN 35\SIZE 39 VALUE
600\DPEN REQUIREMENT-ALLOCATION SUMMARY BY ".
610\03 COLUMN 74\SIZE 22 VALUE
620\WEAPON SYSTEM PRIORITY".
630: 02 LINE PLUS 01.
640\03 COLUMN 10\PIC X(9) SOURCE DATE.
650\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
660\03 COLUMN 62\PIC XX SOURCE FY.
670\03 COLUMN 122\SIZE 4 VALUE "PAGE".
680\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
690: 02 LINE PLUS 02.
700\03 COLUMN 7\SIZE 51 VALUE
710\MODEL PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-".
720\03 COLUMN 59\SIZE 52 VALUE
730\LEVEL OF REQUIREMENT CUMMULATIVE REQMT ALLOCATED".
740\03 COLUMN 114\SIZE 16 VALUE "CUMMULATIVE ALLO".
750: 02 LINE PLUS 01.
760\03 COLUMN 3\SIZE 55 VALUE
770\DESIGN SERIES CODE GROUP CAT CODE DOWN STRUCTURE".
780\03 COLUMN 59\SIZE 55 VALUE
790\PRIORITY DOLLARS($000) DOLLARS ($000) DOLLARS ($000)".
800\03 COLUMN 115\SIZE 14 VALUE "DOLLARS ($000)".
810:01 RL TYPE OF LINE PLUS 01.
820\03 COLUMN 4\PIC X(10) SOURCE MDS.
830\03 COLUMN 18\PIC XXXX SOURCE PC.
840\03 COLUMN 29\PIC X SOURCE RGC.
850\03 COLUMN 36\PIC XXX SOURCE CUS.
860\03 COLUMN 47\PIC X(5) SOURCE WFS.
870\03 COLUMN 62\PIC 99 SOURCE PRI.
880\03 COLUMN 70\PIC Z,ZZZ,ZZ9 SOURCE REQ.
890\03 COLUMN 86\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.
900\03 COLUMN 102\PIC Z,ZZZ,ZZ9 SOURCE ADOL.
910\03 COLUMN 117\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
920:PROCEDURE DIVISION.
930:START-0.
940\OPEN INPUT INFILE OUTPUT OFFILE.
950\ACCEPT DATE.
960\INITIATE CUM-REP.
970:READ-10.
980\READ INFILE AT END GO TO END-20.
990\ADD 1 TO INCNT.
1000\MOVE INREC TO IREC.
1010\MOVE REQ TO AMT.
1020\ADD AMT TO REQTOT.
1030\MOVE ADOL TO ALLOC.
1040\ADD ALLOC TO ALLTOT.
1050:GEN-15.
12 1060\GENERATE RL.
11 1070\ADD 1 TO OTCNT.
10 1080\GO TO READ-10.
9 1090:END-20.
8 1100\MOVE INCNT TO DISCNT.
7 1110\DISPLAY "NO. OF REC READ = " DISCNT.
6 1120\MOVE OTCNT TO DISCNT.
5 1130\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
4 1140\TERMINATE CUM-REP.

```

1150\CLOSE INFILE OTFILE,
1160\STOP RUN,
1170S:ENDJOB

APPENDIX B.1
FORTRAN SAMPLE MODEL PCT

FORT
OLD OR NEW-O MODEL PCT32
ERR-FILE NAME >8 CHARACTERS
OLD OR NEW-O MODEL PCT
READY
*RUN

THE FOLLOWING ROUTINE ALLOWS YOU TO CHOOSE THE BUDGET
PARAMETERS FOR ALLOCATING DPEM FUNDING. PLEASE ANSWER
EACH QUESTION WITH THE NUMERIC VALUE YOU WANT

WHAT IS THE TOTAL BUDGET AVAILABLE?

=1650977

WHAT \$ FUNDING DO YOU WANT FOR EACH OF THE FOLLOWING?

AFR, ANG, DA, DAF, DN, MAC, MAP, SYS, AND, OTHER

PLEASE INPUT THE VALUES IN ORDER AND REMEMBER TO CHECK
THAT THEY SUM TO THE BUDGET TOTAL

=43782

=89775

=540

=1340526

=27278

=101981

=524

=22040

=24531

WHAT IS THE FISCAL YEAR OF THE BUDGET?

=82

*****SUMMARY OF INPUT PARAMETERS*****

FISCAL YEAR

82

BUDG 1650977

\$AFR 0043782

\$ANG 0089775

\$DA 000540

\$DAF 1340526

\$DN 0027278

\$MAC 0101981

\$MAP 000524

\$SYS 0022040

\$OTH 0024531

*

APPENDIX B.2
FORTRAN SAMPLE MODELPCS

AD-A041 426

AIR FORCE LOGISTICS COMMAND WRIGHT-PATTERSON AFB OHIO--ETC F/G 15/5
AN OPERATIONAL VERSION OF THE DEPOT PURCHASED EQUIPMENT MAINTEN--ETC(U)
JAN 77 H D HILLIS, G C MILBORROW, M L REED

UNCLASSIFIED

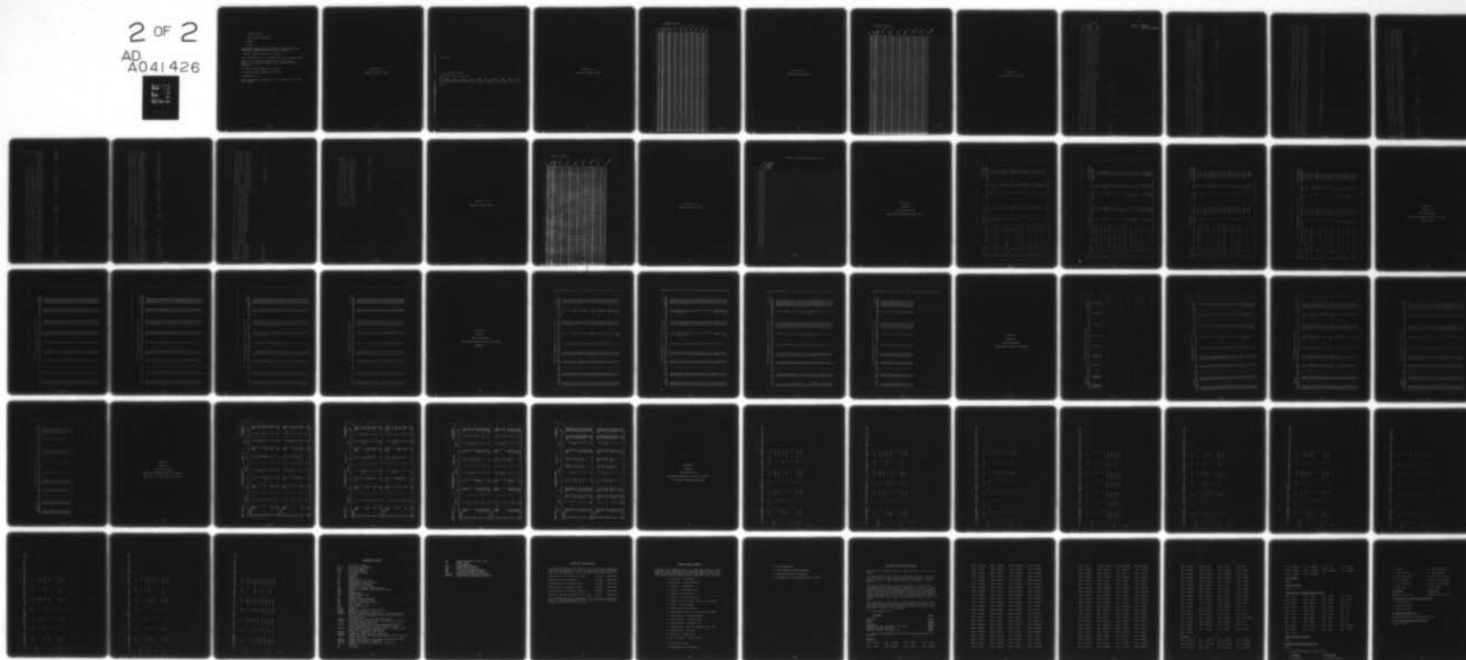
WORKING PAPER-90

AFLC-77-1

NL

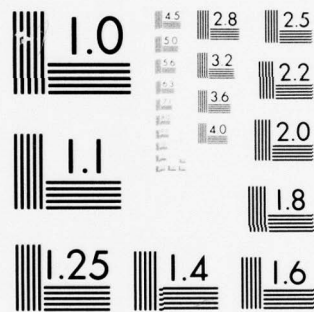
2 OF 2

AD
A041 426



END

DATE
FILMED
7-77



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SYSTEM ? FORT

OLD OR NEW O MODELPCS

READY

* RUN

ALLOCATION PERCENT FILE MAINTENANCE PROGRAM ENTER THE
FOLLOWING IDENTIFYING DATA FY, CUC, DRAW, OC.

= (Enter values separated by commas)

Enter the percents to be changed using the decimal form.

TYPE IN 99. FOR THOSE PERCENTS NOT BEING CHANGED.
DRAW %, OC %, ACFT %, MISS %, ENG %, OMEI %, EXCH %,
AND ABM %.

= (Enter values separated by commas)

DO YOU HAVE MORE CORRECTIONS (Y OR N)?

= (Enter Y or N)

NOTE: Percentage changes will be reflected in the data
file NEWPER.

APPENDIX C.1
DATAFILE SAMPLE MODPCT

*BCDASCB

BCDASC MODPCT

LINE NUMBERS?

TAB CHARACTERS AND SETTING?

*LIST

FY	TOTAL	AFR	ANG	DA	DAF	DN	MAC	MAP	SYS	OTH
82	1650977	0043782	0089775	0000540	0340526	0027278	0131981	0000524	0022040	0024531

READY

*

C.1-1

BYE
CREATE OFF AT 7.198

APPENDIX C.2
DATAFILE SAMPLE REOPER

DATAFILE REQPER

FY	CUS	DRAW	DRAW	O/C	O/C	ACFT	MISS	ENG	OMEI	EXCH	ABI
82AFRT	071220	05949	00000	00000	00000	00000	00000	00000	00000	00000	00000
82AFRT	071220	04051	00000	00000	00000	00000	00000	00000	00000	00000	00000
82AFRT	023780	02102	00000	00000	00000	00000	00000	00000	00000	00000	00000
82AFRT	023780	07898	05593	00000	00000	00000	00000	00000	00000	00000	00000
82AFRT	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82AFRT	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82ANGT	063120	07502	00000	00000	00000	00000	00000	00000	00000	00000	00000
82ANGT	063120	02498	00000	00000	00000	00000	00000	00000	00000	00000	00000
82ANGT	036880	05262	08465	00000	00000	00000	00000	00000	00000	00000	00000
82ANGT	036880	04940	09141	00000	00000	00000	00000	00000	00000	00000	00000
82ANGT	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82ANGT	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DA	0007340	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DA	0007040	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DA	0092960	03645	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DA	0092960	01355	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DA	0000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DA	0000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DAFR	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DAFR	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DAFR	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DAFR	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DAFA	100000	06720	00181	00380	00925	00221	00651	00488	00000	00000	00000
82DAFA	100000	03280	02835	00445	00762	00454	00550	00000	00000	00000	00000
82DN	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DN	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DN	0100000	06142	00000	00000	00453	00131	00394	00162	00000	00000	00000
82DN	0100000	03858	00296	00000	00630	00000	00339	00000	00000	00000	00000
82DN	0000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82DN	0000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82MACF	048800	06956	00000	00000	00185	00000	00314	00000	00000	00000	00000
82MACF	048800	03044	00000	00000	00242	00000	00975	00000	00000	00000	00000
82MACD	051180	04515	00932	00000	00000	00000	00021	00049	00000	00000	00000
82MACD	051180	05485	10000	00000	00000	00000	00000	00000	00000	00000	00000
82MACA	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82MACA	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82MAPF	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82MAPF	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82MAFD	100000	01679	00000	00000	00000	00455	00000	00945	00000	00000	00000
82MAFD	100000	08321	00967	00000	00000	00000	00000	00321	00000	00000	00000
82MAPA	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82MAPA	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82SYST	050840	06023	00000	00000	00000	00190	00000	00097	00000	00000	00000
82SYST	050840	03977	00000	00000	00000	00160	00000	00084	00000	00000	00000
82SYSL	049100	07225	07618	00751	00000	00000	00000	00133	00000	00000	00000
82SYSD	040100	02775	05820	00000	00000	00733	00342	00000	00000	00000	00000
82SYSA	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82SYSA	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82OTH	001550	01182	00000	00000	00000	00000	00000	00000	00000	00000	00000
82OTH	001550	08898	00000	00000	00000	00000	00000	00000	00000	00000	00000
82OTH	0098450	08909	00126	00139	00000	00000	00000	00000	00000	00000	00000
82OTH	0098450	01091	00413	00000	00000	00144	00567	00000	00000	00000	00000
82OTH	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
82OTH	000000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000

APPENDIX C.3
DATAFILE SAMPLE REQDOL

FY	CUS	DRAW O/C	AFCT \$	MISS \$	ENG \$	OMEI \$	EXCH \$	ABM \$	FILLER
----	-----	-------------	---------	---------	--------	---------	---------	--------	--------

C.3-1

APPENDIX C.4
DATAFILE SAMPLE 3 PAGE.B

MD OR MDS CODE
MD MDS

3PAGE.8 = FILE OF
FUNDING PRIORITY

AI	AIM4 , AIM004A	
ADA	437 R, 437/RURN	
AI	AIM4 , AIM004D	
AI	AIM4 , AIM004E	
AI	AIM4 , AIM004G	
AE	AIM9 , AIM000R	
AJ	BQM34, BQM034R	
AJ	BQM34, BQM034A	
AJ	BQM34, BQM034E	
AJ	BQM34, BQM034F	
AK	CGM16, CGM016E	
AL	CIM10, CIM010R	
AM	COM10, COM010A	
AN	LGM25, LGM025G	
AH	LGM30, LGM030A	
AH	LGM30, LGM030C	
AH	LGM30, LGM030R	
AH	LGM30, LGM030F	
AH	LGM30, LGM030G	
AO	PGM17, PGM017A	
AR	SLV , WS96	
AR	SLV , DSP	
YX	ELCOM, MCGS	
AD	ADM20, ADM020C	
AG	AGM28, AGM028R	
AF	AGM45, AGM045A	
AR	AGM69, AGM069A	
AC	AGM65, AGM65A	
ACF	HGM16, HGM016F	
RCA	C131 , C131A	10
RCB	C131 , C131R	20
BCD	C131 , C131D	30
BCE	C131 , C131E	40
RCE	C131 , C131H	
RCC	C131 , C131Y	50
BC	C131 , VC131A	
BC	C131 , VC131D	
BCB	C131 , VC131H	60
BCJ	T29 , TB29A	70
RCK	T29 , VT029A	80
REL	T29 , TB29R	90
RCM	T29 , VT029R	100
RCN	T29 , TB29C	110
BCP	T29 , VT029C	0
RCR	T29 , TB29D	130
RCS	T29 , VT029D	140
RC	T29 , VT029E	
BC	T29 , CT029A	
RCX	T29 , TB29X	
RC	T29 , ET029D	
BD	U10 , UB10A	
RDB	U10 , UB10R	150
RDD	U10 , UC10D	160
RFA	F4 , FB04A	170
RFB	F4 , FB04B	180
RFC	F4 , FB04C	190
RFD	F4 , FB04C	200

RFE F4	,RF004C	210
RFF F4	,F004D	220
RFG F4	,F004E	230
RFH F4	,F004G	240
RER F4	,F004F	
RFJ F4	,F004J	250
REK F4	,F004N	
RHA F102	,F102A	260
RHB F102	,F102A	270
RJA F111	,F111A	280
RJC F111	,F111C	290
RJD F111	,F111D	300
RJE F111	,F111E	310
RJF F111	,F111F	320
RJG F111	,RF111A	330
RJH F111	,EF111A	340
BRA B111	,FB111	
RR B111	,FB111A	
BKA F106	,F106A	350
BKB F106	,F106B	360
BPA 017	,U017A	370
BPB 017	,U017B	380
BPC 017	,U017C	390
RXA C7	,C007A	410
RXZ C7	,C007Z	420
RYA C8	,C008	430
RYB C8	,XC008A	
RZ H53	,H053B	
RZ H53	,H053C	
RZA H53	,HH053B	440
RZB H53	,CH053C	450
RZC H53	,HH053C	460
CEE WSM4A,WSM004A		
CEE WSM4C,WSM004C		
CEE WSM4F,WSM004F		
CFA A1	,A001F	470
CGA 02	,0002A	480
CGB 02	,0002B	
CGA C9	,C009A	490
COB C9	,VC009C	
DAE H13	,0H013E	500
DAG H13	,0H013G	510
DAH H13	,0H013H	520
DC C47	,C047A	
DC C47	,C047B	
DCA C47	,C047	530
DC C47	,AC047	
DCE C47	,EC047D	540
DCC C47	,EC047	550
DC C47	,EC047N	
DC C47	,EC047P	
DCD C47	,HC047	560
DCE C47	,RC047	570
DCF C47	,IC047	580
DCC C47	,VC047	590
DC C47	,VC047A	
DC C47	,VC047B	
DCH C47	,C047Y	600
DCM C117	,C117	610

DCX C117	,C117X	620
DDF H23	,DH023F	630
DEA C54	,C054D	640
DEB C54	,HC054D	650
DEC C54	,IC054D	660
DEE C54	,C054E	
DEG C54	,C054G	
DEX C54	,C054X	670
DEZ C54	,C054Z	680
DFC H34	,CH034C	690
DFD H34	,WH034D	700
DFJ H34	,UH034J	710
DHA C118	,C118A	720
DHR C118	,VC118A	730
DHX C118	,C118X	740
DH C118	,EC118A	
DJC C124	,C124C	750
DKA B26	,TB026	760
DKB B26	,VB026B	770
DKK B26	,B026K	780
DLA B66	,EB066B	790
DLB B66	,RB066B	800
DLC B66	,FB066C	810
DLD B66	,EB066D	820
DLE B66	,FB066E	830
DL B66	,WB066D	
DMA C133	,C133A	840
DMB C133	,C133B	850
DMA S2	,S002D	860
DVA C10	,C010	870
DZB H22	,DH022B	880
ECJ F89	,F089J	890
EVA OV10	,OV010A	90
FEA B47	,B047B	910
FER B47	,TB047B	920
FEB B47	,B047E	930
FEF B47	,RB047F	940
FEG B47	,WB047E	950
FEH B47	,RB047H	960
FFD B50	,WB050D	970
FGA B52	,B052A	980
FGR B52	,B052R	990
FGC B52	,B052C	1000
FGD B52	,B052D	1010
FGE B52	,B052E	1020
FGF B52	,B052F	1030
FGG B52	,B052G	1040
FGH B52	,B052H	1050
FHC C97	,C097C	1060
FHD C97	,C097D	1070
FHE C97	,C097E	
FHG C97	,KC097G	1080
FHL C97	,KC097L	1090
FLA C135	,C135A	1100
FLB C135	,EC135A	1110
FL C135	,EC135G	
FL C135	,EC135H	
FL C135	,EC135J	
FL C135	,EC135K	
FL C135	,EC135L	

FL	C135	,EC135N	
FL	C135	,EC135P	
FLC	C135	,KC135A	1120
FL	C135	,RC135	
FL	C135	,KC135D	
FL	C135	,KC135E	
FLD	C135	,RC135A	1130
FL	C135	,RC135D	
FL	C135	,RC135I	
FLF	C135	,C135R	1140
FLR	C135	,C135C	
FLF	C135	,WC135R	1150
FLG	C135	,EC135C	1160
FLH	C135	,RC135C	1170
FLJ	C135	,RC135M	1180
FLK	C135	,RC135S	
FLL	C135	,RC135U	
FLM	C135	,RC135V	
FL	C135	,VC135R	
FX	F15	,F015	
FXA	F15	,F015A	119
FX	F15	,TF015	
FXR	F15	,TF015A	
FYA	F16	,F016A	
FYB	F16	,F016R	
GA	H1	,HH001H	
GAE	H1	,UH001R	00
GAD	H1	,UH001D	10
GAE	H1	,TH001F	20
GAE	H1	,UH001F	30
GAH	H1	,UH001H	40
GAN	H1	,UH001N	50
GAP	H1	,UH001P	
GBA	H16	,HH016A	60
GRB	H16	,HH016R	70
GCA	C142	,C142	80
GFA	U6	,U006	90
GEB	U6	,U006A	
GJA	H21	,CH021A	1300
GJB	H21	,CH021R	1310
GJC	H21	,HH021R	1320
GMA	U7	,U007	1330
GMA	U7	,U007A	
GNA	U4	,U004A	1340
GNR	U4	,U004R	
GPA	A37	,A037	1350
GPB	A37	,A037A	
GPC	A37	,A037R	
GUA	F101	,F101R	1360
GUR	F101	,RF101R	1370
GUC	F101	,F101C	1380
GUD	F101	,RF101C	1390
GUF	F101	,F101F	
GUG	F101	,RF101G	1400
HGA	T34	,T034	1410
HHA	H47	,CH047A	142
JCB	H43	,HH043R	1430
JCF	H43	,HH043F	1440
JHA	C141	,C141	1450
JHB	C141	,C141A	

KCA	R57	,RR057A	1460
KCB	R57	,R057B	1470
KCC	R57	,R057C	1480
KCD	R57	,ER057D	1490
KCE	R57	,R057E	1500
KCF	R57	,R057G	1510
KC	R57	,ER057H	
KC	R57	,ER057F	
KCH	R57	,RR057F	1520
KCJ	R57	,WR057F	
LCA	T33	,T033A	1530
LC	T33	,A1033A	
LCB	T33	,DT033A	1540
LCC	T33	,RT033A	1550
LCX	T33	,T033X	1560
LCY	T33	,QT033X	1570
LFA	C121	,C121A	1580
LFB	C121	,C121C	1590
LFC	C121	,RC121C	1600
LFD	C121	,EC121D	1610
LFE	C121	,EC121	
LEF	C121	,EC121I	1620
LFG	C121	,C121G	1630
LFH	C121	,EC121H	1640
LFK	C121	,EC121K	1650
LFR	C121	,EC121R	1660
LFX	C121	,C121X	1670
LF	C121	,EC121D	
LF	C121	,EC121S	
LF	C121	,VC121C	
LGA	C130	,C130A	1680
LGB	C130	,DC130A	1690
LGC	C130	,WC130A	1700
LGD	C130	,AC130A	1710
LG	C130	,AC130E	
LGF	C130	,AC130H	
LGE	C130	,RC130A	1720
LGH	C130	,C130R	1730
LGI	C130	,WC130R	1740
LGL	C130	,C130D	1750
LGN	C130	,C130E	1760
LGG	C130	,C130H	
LGP	C130	,DC130E	1770
LGR	C130	,WC130E	1780
LGS	C130	,HC130H	1790
LG	C130	,HC130E	
LGT	C130	,HC130N	1800
LGU	C130	,WC130H	
LGX	C130	,C130X	1810
LGY	C130	,C130Y	1820
LG	C130	,DC130H	
LG	C130	,HC130P	
LHA	C5	,C005A	1830
LJA	C6	,VC006A	1840
LKA	F104	,OF104A	1850
LKB	F104	,F104A	1860
LKC	F104	,F104B	1870
LKD	F104	,F104C	1880
LKE	F104	,F104D	1890
LKF	F104	,F104G	1900

LKG	F104	,RF104G	1910
LKH	F104	,TF104G	1920
LK	F104	,OF104	
MAD	A7	,A007D	1930
MAE	A7	,A007E	
MEG	T6	,T006G	1940
MFA	T28	,T028A	1950
MFR	T28	,T028R	1960
MFD	T28	,T028D	1970
MJA	F86	,F086D	1980
MJB	F86	,F086E	1990
MJC	F86	,RF086E	2000
MJD	F86	,F086H	2010
MLA	F100	,F100A	2020
MLC	F100	,F100C	2030
MLD	F100	,F100D	2040
MLF	F100	,F100F	2050
MSA	F51	,F051	2060
MSB	F51	,F051A	
MSC	F51	,TF051	
NDA	F84	,F084E	2070
NDB	F84	,RF084E	2080
NEB	F105	,F105R	2090
NED	F105	,F105D	2100
NEF	F105	,F105E	2110
NEG	F105	,F105G	2120
RDA	C119	,C119C	2130
RDB	C119	,C119G	2140
RDC	C119	,C119K	
RDD	C119	,C119J	2150
RDE	C119	,AC119G	2160
RDF	C119	,AC119K	2170
RDG	C119	,C119L	
RDX	C119	,C119X	2180
REB	C123	,C123R	2190
REJ	C123	,C123J	2200
REK	C123	,C123K	2210
REY	C123	,C123Y	2220
RE	C123	,UC123K	
RE	C123	,VC123K	
SRA	MGM13	,MGM013A	
SCA	01	,0001A	
SCE	01	,0001E	2230
SCF	01	,0001F	2240
SEA	T37	,T037A	
SEB	T37	,T037R	2250
SFA	H3	,U003A	2260
SFR	H3	,U003R	
THR	H3	,CH003R	2270
THC	H3	,CH003C	2280
THE	H3	,CH003E	2290
TH	H3	,HH003E	
THY	H3	,HH003Y	2300
TXA	T43	,T043	2310
WDA	H19	,HH019A	2320
WDB	H19	,HH019R	2330
WDD	H19	,UH019D	2340
XCA	C137	,VC137A	2350
XCB	C137	,VC137B	
XCC	C137	,VC137C	

XDA C140	,C140	2360
XDB C140	,C140A	
XD C140	,VC140R	
XFA T38	,T038A	2370
XFX T38	,T038X	
XF T39	,T039	
XFA T39	,T039A	238
XFB T39	,T039B	
XFF T39	,T039F	
XFY T39	,T039Y	2390
XHA C46	,C046	2400
XHB C46	,C046A	
XJA F5	,F005A	2410
XJB F5	,F005B	2420
XJC F5	,F005C	2430
XJE F5	,F005E	2440
XJF F5	,F005F	
XJX F5	,F005X	
XXA B58	,B058A	2450
YX ELCOM,GP0-T6		
YX ELCOM,GP5-T2		
YX ELCOM,JA		
YX ELCOM,CRITCOM		
YS ROATS,3333		
YX ELCOM,404L		
YX ELCOM,407L		
YX ELCOM,412L		
YX ELCOM,416L		
YX ELCOM,425L		
YX ELCOM,433L		
ADA 437 R,437/ROBN		
YX ELCOM,440L		
YZ VHCLE,4444		
YX ELCOM,465L		
YX ELCOM,466L		
YX ELCOM,474L		
YX ELCOM,474N		
YX ELCOM,486L		
YX ELCOM,489L		
YX ELCOM,492L		
YX ELCOM,494L		
YX ELCOM,496L		
YG GPF00,6666		
YW MUNIT,7777		
YX ELCOM,ZE		
YX ELCOM,ZH		
YX ELCOM,ZI		
YX ELCOM,ZS		
YX ELCOM,ZT		
YX ELCOM,ZU		
YX ELCOM,ZX		
11A T41	,T041A	2460
11C T41	,T041C	
11D T41	,T041D	2470
12B A4	,A004B	2480
13A A10	,A010	2490
13B A10	,A010A	
14A U1	,U001A	2500
15A B45	,B045	2510
16A F8	,F008X	2520

17A	T2	,T002X	2530
18A	P2	,P002X	2540
19A	E3	,E003A	2550
20A	A023	,A023A	2560
20B	A023	,A0023A	
21A	A024	,A024A	2570
21B	A024	,A0024A	
22A	CX	,C00XX	
23A	C747	,EC747	2590
24A	R1	,R001	2600
24B	R1	,R001A	
25A	C11	,C011	2610
26A	H15	,MH-15	2620
27A	F37	,F37A	2630
27B	I45	,I45	2640
28A	C1	,C001X	
29A	COMM	,COMM	2660
30A	GAT1	,GAT/1	2670
31A	T10	,AP0T10	2680
32A	C12	,C012A	
33A	E4	,E004A	
35A	21	,T002R	
42A	A0M34	,A0M034A	
TX	I43	,I043A	
888	OTHER	,UNKNOWN	
888	OTHER	,OTHER	2690
999	COMMN	,COMMON	2700

APPENDIX C.5
DATAFILE SAMPLE NEWPER

DATAFILE NEWPER

[illegible]

APPENDIX C.6
DATAFILE SAMPLE PFILE

PFILE 82 = PRIORITY FILE FOR FY 82

MD CODE
RELATIVE
FUNDING
PRIORITY

42 01
19 02
FG 03
AN 04
LH 05
24 06
AH 07
JH 08
BR 09
FL 10
BZ 11
BJ 12
BF 13
EV 14
FX 15
13 16
LG 17
BK 18
FY 19
CG 20
TH 21
GA 22
LC 23
XJ 24
GU 25
MA 26
28 27
AJ 28
BH 29
FB 30
XD 31
XE 32
TX 33
11 34
SE 35
DH 36
XF 37
GN 38
34 39
KC 40
NE 41

READY

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APPENDIX D
REPORT 1
DPEM REQUIREMENT
ALLOCATION SUMMARY BY MODEL DESIGN

OPN XVS
DATE 11/12/76

OPM GOVERNMENT-ALLOCATION SUMMARY BY 4001 DESIGN
FISCAL YEAR 77

PCN CONTROL NUMBER
PAGE 1

CUMULATIVE ALLOCATED
DOLLARS (\$000)

PERCENT
REMT

ALLOCATED
DOLLARS (\$000)

CUMULATIVE FRONT
DOLLARS (\$000)

REQUIREMENT
DOLLARS (\$000)

LEVEL OF
PRIORITY

GROUP
CATEGORY

MODEL
DESIGN

2T

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*** VALUE 0 IN ANY FIELD INDICATES THE 0 APPENDED ZERO PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

MODEL DESIGN	CUSTOMER CODE	PEPAID GROUP CATEGORY	LEVEL OF PRIORITY	REQUIREMENT DOLLARS (\$000)	CUMULATIVE REQ'T DOLLARS (\$000)	ALLOCATED DOLLARS (\$000)	PERCENT REQ'T	CUMULATIVE ALLOCATED DOLLARS (\$000)
---A37	---	CUSTOMER SUBTOTAL	A	346	7,788	346	100.0	7,497
A37	DA	K	46	0	7,788	0	0.02	7,497
---A37	---	CUSTOMER SUBTOTAL	E	0	7,788	0	0.02	7,497
A37	DAF	G	46	5	7,793	4	100.0	7,501
A37	DAF	J	46	743	8,536	561	75.5	8,062
A37	DAF	K	46	0	8,539	3	100.0	8,065
A37	DAF	L	46	12	8,551	10	83.3	8,075
---A37	---	CUSTOMER SUBTOTAL	DAE	763	8,551	578	75.7	8,075
A37	BN	J	46	0	8,551	0	0.02	8,075
---A37	---	CUSTOMER SUBTOTAL	E	0	8,551	0	0.02	8,075
A37	SSD	K	46	2	8,553	2	100.0	8,077
---A37	---	CUSTOMER SUBTOTAL	SSD	2	8,553	2	100.0	8,077
A37	SYC	J	46	0	8,553	0	0.02	8,077
---A37	---	CUSTOMER SUBTOTAL	SYC	0	8,553	0	0.02	8,077
---A37	---	ALLOCATION SUBTOTAL		1,979	8,553	1,794	90.6	8,077
A7	MR	R	20	132	8,685	132	100.0	8,209
---A7	---	CUSTOMER SUBTOTAL	A	132	8,685	132	100.0	8,209
A7	AVC	A	20	1,434	10,119	1,434	100.0	9,643
---A7	---	CUSTOMER SUBTOTAL	AVC	1,434	10,119	1,434	100.0	9,643
A7	PA	F	20	0	10,119	0	0.02	9,643
---A7	---	CUSTOMER SUBTOTAL	F	0	10,119	0	0.02	9,643
A7	DAF	A	20	1,214	11,333	915	75.3	10,558
A7	DAF	B	20	38	11,371	28	73.6	10,586
A7	DAF	E	20	1,095	12,466	908	78.8	11,394
A7	DAF	F	20	605	13,071	548	78.3	11,942
A7	DAF	G	20	204	13,275	264	89.7	12,206
A7	DAF	H	20	14,575	27,850	11,523	79.0	23,729
A7	DAF	K	20	431	28,281	340	78.8	24,069
A7	DAF	L	20	310	28,591	217	79.6	24,316

*** VALUE 0 IN ANY FIELD INDICATES 0 IN APPENDIX ZERO PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

... VALUE 0 IN ANY FIELD OF SLOTS IN \$ APPENDED ZERO PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

[illegible]

*** VALUE 0 IN ANY FIELD OF 50 IS IN A APPENDIX 7100 PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

APPENDIX E
REPORT 2
DPEM REQUIREMENT
ALLOCATION SUMMARY BY HIGH \$ BURNER
WEAPON SYSTEM

MODEL	DESCRIPTION	GROUP	REPAIR	CUSTOMER	WARRANTY	LEVEL OF	REQUIREMENT	CUMULATIVE	ALLOCATED	CUMULATIVE ALL
					STRUCTURE	PRIORITY	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)
A0020	0000	A	DAF	10000	20	45,018	37,465	37,465		37,465
A0020	0000	B	DAF	10000	05	81,657	33,763	71,228		71,228
A0020	0000	E	DAF	10000	20	103,309	17,660	88,888		88,888
A0020	0000	F	DAF	10000	20	123,406	8,408	97,296		97,296
A0020	0000	G	DAF	10000	15	141,906	18,410	115,706		115,706
A0020	0000	H	DAF	10000	10	151,403	6,818	124,524		124,524
A0020	0000	I	DAF	10000	20	160,116	1,851	126,375		126,375
A0020	0000	J	DAF	10000	24	166,980	5,936	132,311		132,311
A0020	0000	K	DAF	10000	25	173,223	5,384	137,695		137,695
A0020	0000	L	DAF	10000	25	179,298	5,247	142,942		142,942
A0020	0000	M	DAF	10000	24	184,930	4,864	147,806		147,806
A0020	0000	N	DAF	10000	25	189,845	4,245	152,051		152,051
A0020	0000	O	DAF	10000	05	194,227	4,497	156,748		156,748
A0020	0000	P	DAF	10000	24	199,462	4,698	160,838		160,838
A0020	0000	Q	DAF	10000	05	204,189	4,548	165,386		165,386
A0020	0000	R	DAF	10000	05	208,891	4,333	169,719		169,719
A0020	0000	S	DAF	10000	24	213,465	3,961	173,680		173,680
A0020	0000	T	DAF	10000	24	217,559	3,545	177,225		177,225
A0020	0000	U	DAF	10000	25	221,459	3,471	180,696		180,696
A0020	0000	V	DAF	10000	05	225,152	3,544	184,240		184,240
A0020	0000	W	DAF	10000	24	228,818	3,166	187,406		187,406
A0020	0000	X	DAF	10000	10	232,425	3,210	190,616		190,616
A0020	0000	Y	DAF	10000	17	235,904	3,092	193,698		193,698
A0020	0000	Z	DAF	10000	25	239,547	3,077	196,775		196,775
A0020	0000	AA	DAF	10000	24	242,876	2,882	199,657		199,657
A0020	0000	AB	DAF	10000	05	246,203	3,290	202,947		202,947
A0020	0000	AC	DAF	10000	05	249,430	3,105	206,052		206,052
A0020	0000	AD	DAF	10000	24	252,503	2,661	208,713		208,713
A0020	0000	AE	DAF	10000	20	255,483	2,600	211,313		211,313
A0020	0000	AF	DAF	10000	10	258,444	1,233	212,546		212,546
A0020	0000	AG	DAF	10000	25	261,384	2,539	215,085		215,085
A0020	0000	AH	DAF	10000	43	264,230	2,191	217,276		217,276
A0020	0000	AI	DAF	10000	10	267,018	2,312	219,588		219,588
A0020	0000	AJ	DAF	10000	31	269,747	2,232	222,200		222,200
A0020	0000	AK	DAF	10000	20	272,436	2,323	224,523		224,523
A0020	0000	AL	DAF	10000	20	275,045	2,198	226,721		226,721
A0020	0000	AM	DAF	10000	31	277,539	2,096	228,817		228,817
A0020	0000	AN	DAF	10000	24	279,966	2,101	230,918		230,918
A0020	0000	AO	DAF	10000	10	282,398	2,097	233,015		233,015
A0020	0000	AP	DAF	10000	50	284,758	1,711	234,726		234,726
A0020	0000	AQ	DAF	10000	05	287,125	1,711	236,437		236,437
A0020	0000	AR	DAF	10000	25	289,488	2,103	239,010		239,010
A0020	0000	AS	DAF	10000	25	291,812	2,103	241,023		241,023
A0020	0000	AT	DAF	10000	24	294,127	2,005	243,028		243,028
A0020	0000	AU	DAF	10000	44	296,386	1,739	244,767		244,767
A0020	0000	AV	DAF	10000	24	298,603	1,919	246,686		246,686
A0020	0000	AW	DAF	10000	25	300,756	1,865	248,551		248,551
A0020	0000	AX	DAF	10000	20	302,811	1,681	250,232		250,232

MODEL DESIGN SERIES CODE GROUP CAT CODE CUSTOMER REQUIREMENT-ALLOCATION SUMMARY BY HIGH TURNED WEAPON SYSTEM
FISCAL YEAR 76

PAGE 2

ALLOTTED CUMULATIVE REQMT CUMULATIVE ALLO
DOLLARS (\$000) DOLLARS (\$000) DOLLARS (\$000)

MODEL	DESIGN	SERIES	CODE	GROUP	CAT	CODE	CUSTOMER	REQUIREMENT	ALLOCATION	CUMULATIVE	ALLOTTED	CUMULATIVE
								DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)
F004F	F004F	F004F	J	DAF	24	1,996	304,807	1,728	251,960			
F004F	F004F	F004F	K	DAF	24	1,959	306,766	1,696	253,656			
F111F	F111F	F111F	J	DAF	25	1,877	308,643	1,670	255,326			
F002H	F002H	F002H	J	DAF	05	1,876	310,519	1,805	257,131			
F111F	F111F	F111F	J	DAF	25	1,847	312,366	1,509	258,730			
F1000	F1000	F1000	J	DAF	43	1,844	314,210	1,459	260,189			
F1000	F1000	F1000	J	DAF	20	1,825	316,035	1,581	261,770			
F111F	F111F	F111F	J	DAF	25	1,815	317,850	1,572	263,342			
F002H	F002H	F002H	J	DAF	20	1,814	319,664	387	263,729			
F0135A	F0135A	F0135A	A	DAF	10	1,803	321,467	1,496	265,225			
F0135A	F0135A	F0135A	J	DAF	10	1,792	323,259	1,552	266,777			
F0135C	F0135C	F0135C	J	DAF	20	1,782	325,041	1,543	268,320			
F141A	F141A	F141A	J	DAF	20	1,737	326,778	1,504	269,824			
F002H	F002H	F002H	F	DAF	05	1,725	328,503	1,655	271,479			
F111F	F111F	F111F	J	DAF	25	1,710	330,213	1,481	272,960			
F002H	F002H	F002H	J	DAF	05	1,692	331,905	1,628	274,588			
F141A	F141A	F141A	J	DAF	20	1,690	333,595	1,463	276,051			
F004F	F004F	F004F	F	DAF	24	1,670	335,265	1,446	277,497			
F101A	F101A	F101A	F	DAF	20	1,669	336,934	1,441	278,938			
F002H	F002H	F002H	A	DAF	10	1,600	338,534	1,410	280,348			
F004F	F004F	F004F	F	DAF	24	1,595	340,129	1,535	281,883			
F004F	F004F	F004F	F	DAF	24	1,570	341,699	1,356	283,239			
F141A	F141A	F141A	J	DAF	20	1,566	343,265	1,356	284,595			
F004F	F004F	F004F	J	DAF	20	1,518	344,783	1,314	285,909			
F101A	F101A	F101A	K	DAF	24	1,481	346,264	1,282	287,191			
F101A	F101A	F101A	J	DAF	44	1,464	347,728	1,158	288,349			
F002H	F002H	F002H	J	DAF	20	1,448	349,176	1,184	289,533			
F0135C	F0135C	F0135C	J	DAF	19	1,435	350,611	1,243	290,776			
F135A	F135A	F135A	A	SYS	10	1,400	352,011	583	291,359			
F0135A	F0135A	F0135A	A	DAF	10	1,392	353,403	1,227	292,586			
F0135A	F0135A	F0135A	A	DAF	10	1,351	354,754	1,121	293,707			
F002H	F002H	F002H	F	DAF	05	1,335	356,089	1,156	294,863			
F0135A	F0135A	F0135A	F	DAF	05	1,322	357,411	1,269	296,132			
F0135A	F0135A	F0135A	A	DAF	10	1,313	358,724	1,157	297,289			
F141A	F141A	F141A	J	DAF	20	1,253	359,977	1,085	298,374			
F130A	F130A	F130A	J	DAF	24	1,242	361,219	1,024	299,398			
F0135C	F0135C	F0135C	N	DAF	60	1,228	362,447	993	300,391			
F004F	F004F	F004F	J	DAF	19	1,214	363,661	1,081	301,472			
F1000	F1000	F1000	J	DAF	24	1,190	364,850	1,029	302,501			
F004F	F004F	F004F	J	DAF	33	1,184	366,034	968	303,469			
F0135A	F0135A	F0135A	J	DAF	05	1,168	367,202	1,124	304,593			
F002H	F002H	F002H	J	DAF	10	1,161	368,363	1,033	305,626			
F1000	F1000	F1000	F	DAF	24	1,147	369,510	993	306,619			
F004F	F004F	F004F	K	DAF	43	1,144	370,654	878	307,497			
F141A	F141A	F141A	F	DAF	24	1,142	371,796	989	308,486			
F0135C	F0135C	F0135C	J	DAF	20	1,128	372,924	977	309,463			
F002H	F002H	F002H	J	DAF	25	1,128	374,052	923	310,386			
F002H	F002H	F002H	F	DAF	05	1,115	375,167	1,070	311,456			

MODEL SERIES PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-LEVEL OF REQUIREMENT CUMULATIVE REQMT ALLOCATED CUMULATIVE ALLO
 DESIGN SERIES CODE GROUP CAT CODE DOWN STRUCTURE PRIORITY DOLLARS(\$000) DOLLARS (\$000) DOLLARS (\$000)

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ALC WP

AC135A	JXT	J	DAF	1FLCD	10	1,174	120,731	1,017	104,391
AC130A	JMK	J	DAF	1LGD	28	1,145	121,876	936	105,327
4444	JFC	G	DAF	4YZ X	60	1,144	123,020	957	106,284
FI66A	JMN	J	DAF	1KAD	31	1,126	124,146	920	107,204
AC130H	JMK	J	DAF	1LGF	28	1,123	125,269	919	108,123
CI30E	JL1	J	DAF	1LNG	28	1,071	126,339	900	109,023
FI66A	JM7	J	DAF	1KAD	31	1,036	127,375	871	109,894
CI30E	JFC	J	DAF	1LNG	28	1,036	128,410	847	110,741
8052H	JMN	J	DAF	1LNG	05	1,034	129,444	1,023	111,764
FI11	JMN	J	DAF	1KAD	17	1,024	130,468	887	112,651
8052H	JFC	J	DAF	1LNG	05	1,024	131,492	885	113,636
FI11	JMN	J	DAF	1LNG	25	1,015	132,507	879	114,515
4444	JFC	G	DAF	4YZ X	60	1,010	133,517	846	115,361
CI30E	JMN	J	DAF	1LNG	42	978	134,495	773	116,134
CI30E	JMN	J	DAF	1LNG	20	952	135,447	825	116,959
CI30E	JMN	A	DAF	1LNG	18	940	136,387	814	117,773
CI30E	JMN	J	DAF	1LNG	28	940	137,327	736	118,509
CI30E	JMN	J	DAF	1LNG	28	930	138,257	930	119,439
CI30E	JMN	J	DAF	1LNG	25	920	139,177	797	120,236
CI30E	JMN	R	DAF	1LNG	20	914	140,091	914	121,150
4444	JMN	G	DAF	4YZ X	60	904	140,995	756	121,906
FI66A	JMN	J	DAF	1LNG	24	904	141,899	805	122,711
FI66A	JMN	J	DAF	1LNG	24	897	142,796	776	123,487
CI30E	JMN	A	DAF	1LNG	28	893	143,689	699	124,186
CI30E	JMN	M	DAF	1LNG	60	893	144,582	722	124,908
CI30E	JMN	J	DAF	1LNG	25	889	145,471	791	125,699
CI30E	JMN	J	DAF	1LNG	25	889	146,351	762	126,461
CI30E	JMN	J	DAF	1LNG	26	871	147,229	732	127,193
CI30E	JMN	K	DAF	1LNG	60	861	148,103	622	127,815
CI30E	JMN	J	DAF	1LNG	28	859	148,942	702	128,517
CI30E	JMN	J	DAF	1LNG	25	854	149,796	760	129,277
CI30E	JMN	J	DAF	1LNG	25	846	150,642	732	130,009
CI30E	JMN	A	DAF	1LNG	28	843	151,485	843	130,852
CI30E	JMN	J	DAF	1LNG	24	826	152,311	735	131,587
CI30E	JMN	A	DAF	1LNG	28	826	153,137	735	132,322
CI30E	JMN	J	DAF	1LNG	24	816	153,955	708	133,013
CI30E	JMN	J	DAF	1LNG	52	803	154,758	579	133,683
CI30E	JMN	A	DAF	1LNG	28	798	155,556	670	134,343
CI30E	JMN	J	DAF	1LNG	28	796	156,352	654	135,013
CI30E	JMN	J	DAF	1LNG	05	788	157,140	779	135,683
CI30E	JMN	J	DAF	1LNG	05	788	157,928	750	136,347
CI30E	JMN	J	DAF	1LNG	44	768	158,708	591	137,013
CI30E	JMN	J	DAF	1LNG	20	760	159,488	658	137,683
CI30E	JMN	J	DAF	1LNG	24	755	160,263	654	138,347
CI30E	JMN	A	DAF	1LNG	32	746	161,040	746	139,013
CI30E	JMN	J	DAF	1LNG	05	746	161,816	732	139,683
CI30E	JMN	J	DAF	1LNG	24	727	162,596	647	140,347
CI30E	JMN	J	DAF	1LNG	24	727	163,371	647	141,013

DOWN REQUIREMENT-ALLOCATION SUMMARY BY HIGH RURNER WEAPON SYSTEM										PAGE 15	
FISCAL YEAR 76										ALC UP	
MODEL	OSERID	REPAIR	CUSTOMER	WORKLOAD BREAK-LEVEL OF	REQUIREMENT	CUMULATIVE REQMT	ALLOCATED	CUMULATIVE ALLO			
DESIGN SERIES	CODE	GROUP	CAT	CODE	DOWN STRUCTURE	PRIORITY DOLLARS(\$000)	DOLLARS (\$000)	DOLLARS (\$000)			
DE0040	JSAZ	J	DAF	1-FCF	24	727	163,870	647	140,669		
F004F	JSAZ	J	DAF	1-FCF	24	727	164,597	647	141,316		
4444	JAP	J	DAF	4-7 X	60	726	165,322	538	141,854		
FC135A	JAXT	J	DAF	1-FCF	10	717	166,039	621	142,475		
6005A	JOC7	J	DAF	1-FCF	18	692	166,731	599	143,074		
0130F	JOB	J	DAF	1-FCF	28	684	167,415	599	143,673		
F111A	J004	J	DAF	1-FCF	25	684	168,099	609	144,242		
4052G	J00L	J	DAF	1-FCF	05	682	168,781	674	144,916		
F111A	JFED	J	DAF	1-FCF	25	677	169,458	586	145,502		
0141A	J00D	J	DAF	1-FCF	20	667	170,125	593	146,095		
0130A	JPCS	J	DAF	1-FCF	28	663	170,788	558	146,653		
FC135C	JAXT	J	DAF	1-FCF	10	661	171,449	572	147,225		
51130	J004	J	DAF	1-FCF	25	652	172,101	580	147,805		
F111D	JFED	J	DAF	1-FCF	25	646	172,747	559	148,364		
50111	J004	J	DAF	1-FCF	17	625	173,372	557	148,921		
4444	J004	G	DAF	4-7 X	60	624	173,996	522	149,443		
6666	JFED	J	DAF	4-7 X	60	620	174,616	460	149,903		
0130F	JFED	J	DAF	1-FCF	17	619	175,235	556	150,459		
4052B	J004	J	DAF	1-FCF	05	617	175,852	594	151,033		
6666	JFED	J	DAF	1-FCF	28	613	176,465	515	151,548		
0130F	JFED	J	DAF	4-7 X	60	611	177,076	453	152,001		
FC135A	JFED	J	DAF	1-FCF	28	609	177,685	609	152,610		
0130A	JFED	A	ACW	1-FCF	28	603	178,288	603	153,213		
1049A	JFED	N	DAF	1-FCF	54	594	178,893	595	153,808		
0130F	JFED	J	DAF	1-FCF	54	590	179,473	478	154,286		
0130A	JFED	J	DAF	1-FCF	10	583	180,056	519	154,805		
6004F	JOC7	J	DAF	1-FCF	48	582	180,638	420	155,225		
0062G	JFED	J	DAF	1-FCF	24	579	181,217	501	155,726		
0130A	JFED	L	DAF	1-FCF	05	576	181,793	554	156,280		
4444	JFED	A	ANG	1-FCF	28	565	182,358	565	156,845		
0130A	JFED	G	DAF	4-7 X	60	562	182,920	471	157,316		
0130F	JFED	A	DAF	1-FCF	28	555	183,475	435	157,751		
0141A	JFED	J	MAC	1-FCF	27	549	184,024	549	158,300		
0130F	JFED	J	DAF	1-FCF	28	539	184,563	441	158,741		
00604C	JFED	J	DAF	1-FCF	24	538	185,101	479	159,220		
0130A	JFED	A	ACW	1-FCF	28	535	185,636	535	159,755		
00653B	JFED	A	DAF	1-FCF	26	529	186,165	415	160,170		
0106F	JFED	J	DAF	1-FCF	33	524	186,689	428	160,598		
0064D	JFED	J	DAF	1-FCF	24	508	187,197	440	161,039		
4444	JFED	G	ANG	4-7 X	60	506	187,703	506	161,544		

APPENDIX F
REPORT 3
DPEM REQUIREMENT
ALLOCATION SUMMARY BY WEAPON SYSTEM
PRIORITY

DPM REQUIREMENT ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY										PAGE 2	
FISCAL YEAR 81											
13DEL	PSEUDO	REPAIR	CUSTOMER	WORKLOAD	BREAK-LEVEL	OF	REQUIREMENT	CUMULATIVE	REOMF	ALLOCATED	CUMULATIVE
DESIGN	SERIES	CODE	GROUP	CHG.	CODE	DOWN	STRUCTURE	PRIORITY	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)
DESIGN	SERIES	CODE	GROUP	CHG.	CODE	DOWN	STRUCTURE	PRIORITY	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)
8052G	DFAC	J	DF	1830	03	294	46,123	294	45,786		
8052H	DH20	J	DF	1830	03	4,217	50,340	4,217	50,015		
8052I	DKVC	J	DF	1830	03	4	50,344	4	50,019		
8052J	DKVN	J	DF	1830	03	190	50,534	190	50,209		
8052K	DH21	J	DF	1830	03	617	51,151	917	51,126		
8052L	DH22	J	DF	1830	03	194	51,345	194	51,320		
8052M	DH23	J	DF	1830	03	1,526	52,871	1,526	52,846		
8052N	DH24	J	DF	1830	03	3,097	55,968	2,997	55,843		
8052O	DH25	J	DF	1830	03	1,594	57,562	1,594	57,437		
8052P	DH26	J	DF	1830	03	1,942	59,504	1,942	59,379		
8052Q	DH27	J	DF	1830	03	1,607	61,111	1,607	60,986		
8052R	DH28	J	DF	1830	03	714	61,825	714	61,700		
8052S	DH29	J	DF	1830	03	4,647	66,472	4,647	66,347		
8052T	DH30	J	DF	1830	03	2,044	68,516	2,044	68,391		
8052U	DH31	J	DF	1830	03	162	68,678	162	68,553		
8052V	DH32	J	DF	1830	03	60	68,738	60	68,613		
8052W	DH33	J	DF	1830	03	69,860	69,860	18	69,835		
8052X	DH34	J	DF	1830	03	349	70,209	349	70,084		
8052Y	DH35	J	DF	1830	03	172	70,381	172	70,256		
8052Z	DH36	J	DF	1830	03	6	70,387	6	70,362		
8053A	DH37	J	DF	1830	03	58	70,445	58	70,420		
8053B	DH38	J	DF	1830	03	20	70,465	20	70,440		
8053C	DH39	J	DF	1830	03	230	70,695	230	70,470		
8053D	DH40	J	DF	1830	03	74	70,769	74	70,544		
8053E	DH41	J	DF	1830	03	3	70,772	3	70,547		
8053F	DH42	J	DF	1830	03	3	70,775	3	70,550		
8053G	DH43	J	DF	1830	03	3	70,778	3	70,553		
8053H	DH44	J	DF	1830	03	14	70,792	14	70,567		
8053I	DH45	J	DF	1830	03	67	70,859	67	70,634		
8053J	DH46	J	DF	1830	03	17	70,876	17	70,651		
8053K	DH47	J	DF	1830	03	52	71,048	52	70,703		
8053L	DH48	J	DF	1830	03	25	71,073	25	70,728		
8053M	DH49	J	DF	1830	03	2	71,076	2	70,730		
8053N	DH50	J	DF	1830	03	25	71,101	25	70,755		
8053O	DH51	J	DF	1830	03	30	71,126	30	70,780		
8053P	DH52	J	DF	1830	03	4	71,130	4	70,784		
8053Q	DH53	J	DF	1830	03	7	71,134	7	70,788		
8053R	DH54	J	DF	1830	03	13	71,147	13	70,791		
8053S	DH55	J	DF	1830	03	235	71,382	235	71,046		
8053T	DH56	J	DF	1830	03	504	71,886	504	71,550		
8053U	DH57	J	DF	1830	03	326	72,212	326	71,876		
8053V	DH58	J	DF	1830	03	61	72,273	61	71,937		
8053W	DH59	J	DF	1830	03	959	73,232	959	72,896		
8053X	DH60	J	DF	1830	03	107	73,339	107	73,003		
8053Y	DH61	J	DF	1830	03	1,359	74,698	1,359	74,352		
8053Z	DH62	J	DF	1830	03	1,362	76,060	1,362	75,714		
8054A	DH63	J	DF	1830	03	1,911	77,971	1,911	77,625		
8054B	DH64	J	DF	1830	03	21,315	99,286	21,315	98,940		

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APPENDIX G
REPORT 4
DPEM REQUIREMENT
ALLOCATION SUMMARY BY MANAGER

000000000									
DPM REQUIREMENT ALLOCATION SUMMARY BY MANAGER									
FISCAL YEAR 76									
PAGE									
MODEL	PSUDO	REPAIR	CUSTOMER	WORKLOAD BREAK	LEVEL OF REQUIREMENT	CUMULATIVE REQMT	ALLOCATED	CUMULATIVE ALLO	
DESIGN SERIES	CODE	GROUP	CAT	CODE	DOWN STRUCTURE	PRIORITY DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)	
OTHER	RSR	S	DA	DA	1880	60	60	56	56
OTHER	RSR	S	DA	DA	1880	60	120	61	61
OTHER	RSR	S	DA	DA	1880	60	180	81	81
OTHER	RSR	S	DA	DA	1880	60	240	124	124
OTHER	RSR	S	DA	DA	1880	60	300	174	174
OTHER	RSR	S	DA	DA	1880	60	360	179	179
OTHER	RSR	S	DA	DA	1880	60	420	183	183

DPN REQUIREMENT-ALLOCATION SUMMARY BY MANAGER										PAGE 2	
FISCAL YEAR 75											
DESIGN SERIES	PSZDD CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-LEVEL OF	EXHIBITION	CUMULATIVE R.O.M.F	ALLOCATED	CUMULATIVE ALLO			
DOWN STRUCTURE PRIORITY DOLLARS (\$000)										DOLLARS (\$000)	
A01A	DRY	J	DA	1180	38	0	0	0	0		
A01A	DRY	J	DA	1180	38	0	2	2	2		
A01A	DRY	J	DA	1180	46	0	2	2	4		
A01A	DRY	J	DA	1180	46	0	2	2	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY	J	DA	1180	46	0	4	4	4		
A01A	DRY										

DPM REQUIREMENT ALLOCATION SUMMARY BY MANAGER
FISCAL YEAR 76

000000000

DESIGN SERIES MODEL PSEUDO REPAIR CUSTOMER WORKLOAD BREAK- LEVEL OF REQUIREMENT CUMULATIVE REQUIREMENT ALLOCATED CUMULATIVE ALLO
CODE GROUP CAT CODE DOW STRUCTURE PRIORITY DOLLARS(\$000) DOLLARS (\$000) DOLLARS (\$000) DOLLARS (\$000)

PAGE 3

A007D	DKN	B	DAE	1ADA	20	11	49,185	8	4,364
A007D	DEMD	B	DAE	1ADB	20	21,652	70,837	17,520	50,024
A007E	DEMG	B	DAE	1ADE	20	8,623	79,460	1,851	50,875
A007E	DVH	E	DAE	1AEB	20	26	79,486	6	50,881
A007E	DVH	E	DAE	1AEB	20	3	79,489	1	50,882
A007D	DLY	D	DAE	1AEB	20	8	79,497	2	50,884
A007D	DJXE	E	DAE	1ADC	20	153	79,652	133	51,019
A007D	DJZE	E	DAE	1ADC	20	34	79,683	25	51,044
A007D	DJY	E	DAE	1ADB	20	735	80,418	593	51,633
A007D	DJX	E	DAE	1ADB	20	464	81,156	545	52,238
A007D	DJVL	E	DAE	1ADB	20	14	81,170	12	52,250
A007D	DQVK	E	DAE	1ADB	20	28	81,198	23	52,273
A007D	DQUS	J	DAE	1ADC	20	0	81,198	0	52,273
A007D	DFAZ	J	DAE	1ADC	20	20	81,218	17	52,290
A007D	DFBD	J	DAE	1ADC	20	0	81,218	0	52,290
A007D	DFYH	J	DAE	1ADC	20	2	81,220	2	52,292
A007D	DFAT	J	DAE	1ADC	20	148	81,368	125	52,417
A007D	DJUR	J	DAE	1ADC	20	0	81,368	0	52,417
A007D	DBRO	J	DAE	1ADC	20	577	81,945	485	52,902
A007D	DBVA	J	DAE	1ADC	20	49	81,994	42	52,944
A007D	DBYV	J	DAE	1ADC	20	57	82,051	17	52,961
A007D	DBFI	J	DAE	1ADC	20	4	82,055	3	52,964
A007D	DBVB	J	DAE	1ADC	20	445	82,500	374	53,364
A007D	DJTA	J	DAE	1ADC	20	2,615	85,115	2,194	55,566
A007E	DOQU	J	DAE	1ADE	20	4	85,119	1	55,567
A007E	DOZO	J	DAE	1ADE	20	564	85,683	120	55,687
A007E	DOQE	J	DAE	1ADE	20	35	85,718	8	55,695
A007E	DOQC	J	DAE	1ADE	20	7	85,725	2	55,697
A007E	DOCT	J	DAE	1ADE	20	169	85,894	40	55,737
A007E	DOZS	J	DAE	1ADE	20	74	85,968	16	55,753
A007E	DIDU	J	DAE	1ADE	20	13	86,001	3	55,756
A007E	DIDR	J	DAE	1ADE	20	1,814	87,815	347	56,143
A007D	DQKH	J	DAE	1ADE	20	4	87,816	1	56,144
A007D	DLKC	J	DAE	1ADE	20	38	87,854	31	56,175
A007D	DKUF	J	DAE	1ADE	20	0	87,854	0	56,175
A007D	DFBR	J	DAE	1ADE	20	17	87,875	1	56,176
A007D	DJSL	J	DAE	1ADE	20	4	87,877	13	56,185
A007D	DQZ2	J	DAE	1ADE	20	1	87,877	3	56,193
A007D	DJCT	J	DAE	1ADE	20	16	87,893	13	56,206
A007D	DJYU	J	DAE	1ADE	20	21	87,914	17	56,223
A007D	DJY2	J	DAE	1ADE	20	436	88,350	112	56,335
A007D	DJCH	J	DAE	1ADE	20	40	88,390	523	56,858
A007D	DJCO	J	DAE	1ADE	20	24	88,414	19	56,877
A007D	DOCN	J	DAE	1ADE	20	359	89,072	232	57,169
A007D	DOCP	J	DAE	1ADE	20	25	89,097	20	57,189
A007D	DEAS	J	DAE	1ADE	20	209	89,306	171	57,360

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APPENDIX H
REPORT 5
DPEM REQUIREMENT
SUMMARY BY CUSTOMER, ORGANIC/CONTRACT,
DRAW CODE, AND REPAIR GROUP CATEGORY

DATE		XRSX/12/76		DOLLAR TOTAL BY CUSTOMER		CUSTOMER AFR		CONTROL NUMBER	
DATE		FISCAL YEAR		TOTAL		PAGE			
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R		D		A		TOTAL	
D		R							

OPR XRSIX
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER
FISCAL YEAR 77

CUSTOMER AVG

CONTROL NUMBER 2
PAGE

REQUIREMENT	ORGANIC			CONTRACT			TOTAL		
	D	R	A	D	R	A	D	R	A
A	1894	0	0	10742	0	0	10742	0	0
B	2679	0	0	0	0	0	0	0	0
C	14573	0	0	10742	0	0	10742	0	0
D	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0	0	0
G	599	0	0	625	0	0	625	0	0
H	0	0	0	0	0	0	0	0	0
I	599	0	0	625	0	0	625	0	0
J	0	0	0	3388	0	0	3388	0	0
K	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0
M	1143	0	0	3388	0	0	3388	0	0
N	106	0	0	0	0	0	0	0	0
O	0	0	0	0	0	0	0	0	0
P	0	0	0	0	0	0	0	0	0
Q	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0
S	1249	0	0	0	0	0	0	0	0
TOT	16421	0	0	14755	8361	0	23116	8361	0

ALLOCATIONS

A	1894	0	0	10742	0	0	10742	0	0
B	2679	0	0	0	0	0	0	0	0
C	14573	0	0	10742	0	0	10742	0	0
D	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0	0	0
G	599	0	0	625	0	0	625	0	0
H	0	0	0	0	0	0	0	0	0
I	599	0	0	625	0	0	625	0	0
J	0	0	0	3388	0	0	3388	0	0
K	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0
M	1143	0	0	3388	0	0	3388	0	0
N	106	0	0	0	0	0	0	0	0
O	0	0	0	0	0	0	0	0	0
P	0	0	0	0	0	0	0	0	0
Q	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0
S	1249	0	0	0	0	0	0	0	0
TOT	16421	0	0	14755	8361	0	23116	8361	0

OPR XRSXX
DATE 11/12/76

REQUIREMENT	ORGANIC				CONTRACT				TOTAL			
	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT
A	947	0	0	947	2104	0	0	2104	3051	0	0	3051
B	449	0	0	449	0	0	0	0	449	0	0	449
FOF	1396	0	0	1396	2104	0	0	2104	3500	0	0	3500
C	109	0	0	109	0	0	0	0	109	0	0	109
D	0	0	0	0	0	0	0	0	0	0	0	0
FOF	109	0	0	109	0	0	0	0	109	0	0	109
E	0	0	0	0	0	321	0	321	0	321	0	321
F	0	0	0	0	0	0	0	0	0	0	0	0
FOF	0	0	0	0	0	321	0	321	0	321	0	321
G	0	0	0	0	31	0	0	31	31	0	0	31
H	2	0	0	2	0	0	0	0	2	0	0	2
FOF	2	0	0	2	31	0	0	31	33	0	0	33
I	0	0	0	0	0	0	0	0	0	0	0	0
J	1982	0	0	1982	4742	0	0	4742	4742	0	0	4742
K	452	0	0	452	214	0	0	214	2196	0	0	2196
L	2334	0	0	2334	452	0	0	452	452	0	0	452
FOF	478	54	0	532	4956	0	0	4956	7390	0	0	7390
M	991	0	0	991	0	0	0	0	478	54	0	532
N	12433	0	0	12433	0	0	0	0	591	7	0	598
O	2152	0	0	2152	0	0	0	0	17433	0	0	17433
P	125	0	0	125	0	0	0	0	2152	0	0	2152
Q	2172	61	0	2233	0	0	0	0	125	0	0	125
FOF	25113	61	0	25174	7091	321	0	7412	21172	51	0	21233
GRAND TOTAL									32204	392	0	32586

ALLOCATIONS

A	947	0	0	947	2104	0	0	0	2104	3051	0	0	3051
B	449	0	0	449	0	0	0	0	0	449	0	0	449
C	1396	0	0	1396	2104	0	0	0	2104	3500	0	0	3500
D	108	0	0	108	0	0	0	0	0	108	0	0	108
E	108	0	0	108	0	0	0	0	0	108	0	0	108
F	0	0	0	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
H	0	0	0	0	0	0	0	0	0	0	0	0	0
I	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0	0
M	0	0	0	0	0	0	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0	0	0	0	0	0	0
O	0	0	0	0	0	0	0	0	0	0	0	0	0
P	0	0	0	0	0	0	0	0	0	0	0	0	0
Q	0	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0	0	0	0	0	0	0
U	0	0	0	0	0	0	0	0	0	0	0	0	0
V	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
X	0	0	0	0	0	0	0	0	0	0	0	0	0
Y	0	0	0	0	0	0	0	0	0	0	0	0	0
Z	0	0	0	0	0	0	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	0	0	0	0	0	0	0
AB	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	0	0	0	0	0	0	0	0	0	0	0	0	0
AD	0	0	0	0	0	0	0	0	0	0	0	0	0
AE	0	0	0	0	0	0	0	0	0	0	0	0	0
AF	0	0	0	0	0	0	0	0	0	0	0	0	0
AG	0	0	0	0	0	0	0	0	0	0	0	0	0
AH	0	0	0	0	0	0	0	0	0	0	0	0	0
AI	0	0	0	0	0	0	0	0	0	0	0	0	0
AJ	0	0	0	0	0	0	0	0	0	0	0	0	0
AK	0	0	0	0	0	0	0	0	0	0	0	0	0
AL	0	0	0	0	0	0	0	0	0	0	0	0	0
AM	0	0	0	0	0	0	0	0	0	0	0	0	0
AN	0	0	0	0	0	0	0	0	0	0	0	0	0
AO	0	0	0	0	0	0	0	0	0	0	0	0	0
AP	0	0	0	0	0	0	0	0	0	0	0	0	0
AQ	0	0	0	0	0	0	0	0	0	0	0	0	0
AR	0	0	0	0	0	0	0	0	0	0	0	0	0
AS	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0
AU	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0
AW	0	0	0	0	0	0	0	0	0	0	0	0	0
AX	0	0	0	0	0	0	0	0	0	0	0	0	0
AY	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ	0	0	0	0	0	0	0	0	0	0	0	0	0
BA	0	0	0	0	0	0	0	0	0	0	0	0	0
BB	0	0	0	0	0	0	0	0	0	0	0	0	0
BC	0	0	0	0	0	0	0	0	0	0	0	0	0
BD	0	0	0	0	0	0	0	0	0	0	0	0	0
BE	0	0	0	0	0	0	0	0	0	0	0	0	0
BF	0	0	0	0	0	0	0	0	0	0	0	0	0
BG	0	0	0	0	0	0	0	0	0	0	0	0	0
BH	0	0	0	0	0	0	0	0	0	0	0	0	0
BI	0	0	0	0	0	0	0	0	0	0	0	0	0
BJ	0	0	0	0	0	0	0	0	0	0	0	0	0
BK	0	0	0	0	0	0	0	0	0	0	0	0	0
BL	0	0	0	0	0	0	0	0	0	0	0	0	0
BM	0	0	0	0	0	0	0	0	0	0	0	0	0
BN	0	0	0	0	0	0	0	0	0	0	0	0	0
BO	0	0	0	0	0	0	0	0	0	0	0	0	0
BP	0	0	0	0	0	0	0	0	0	0	0	0	0
BQ	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	0	0	0	0	0	0	0	0	0	0	0	0	0
BS	0	0	0	0	0	0	0	0	0	0	0	0	0
BT	0	0	0	0	0	0	0	0	0	0	0	0	0
BU	0	0	0	0	0	0	0	0	0	0	0	0	0
BV	0	0	0	0	0	0	0	0	0	0	0	0	0
BW	0	0	0	0	0	0	0	0	0	0	0	0	0
BX	0	0	0	0	0	0	0	0	0	0	0	0	0
BY	0	0	0	0	0	0	0	0	0	0	0	0	0
BZ	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	0	0	0	0	0	0	0	0	0	0	0	0	0
CB	0	0	0	0	0	0	0	0	0	0	0	0	0
CC	0	0	0	0	0	0	0	0	0	0	0	0	0
CD	0	0	0	0	0	0	0	0	0	0	0	0	0
CE	0	0	0	0	0	0	0	0	0	0	0	0	0
CF	0	0	0	0	0	0	0	0	0	0	0	0	0
CG	0	0	0	0	0	0	0	0	0	0	0	0	0
CH	0	0	0	0	0	0	0	0	0	0	0	0	0
CI	0	0	0	0	0	0	0	0	0	0	0	0	0
CJ	0	0	0	0	0	0	0	0	0	0	0	0	0
CK	0	0	0	0	0	0	0	0	0	0	0	0	0
CL	0	0	0	0	0	0	0	0	0	0	0	0	0
CM	0	0	0	0	0	0	0	0	0	0	0	0	0
CN	0	0	0	0	0	0	0	0	0	0	0	0	0
CO	0	0	0	0	0	0	0	0	0	0	0	0	0
CP	0	0	0	0	0	0	0	0	0	0	0	0	0
CQ	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	0	0	0	0	0	0	0	0	0	0	0	0	0
CS	0	0	0	0	0	0	0	0	0	0	0	0	0
CT	0	0	0	0	0	0	0	0	0	0	0	0	0
CU	0	0	0	0	0	0	0	0	0	0	0	0	0
CV	0	0	0	0	0	0	0	0	0	0	0	0	0
CW	0	0	0	0	0	0	0	0	0	0	0	0	0
CX	0	0	0	0	0	0	0	0	0	0	0	0	0
CY	0	0	0	0	0	0	0	0	0	0	0	0	0
CZ	0	0	0	0	0	0	0	0	0	0	0	0	0
DA	0	0	0	0	0	0	0	0	0	0	0	0	0
DB	0	0	0	0	0	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0	0	0	0	0	0
DD	0	0	0	0	0	0	0	0	0	0	0	0	0
DE	0	0	0	0	0	0	0	0	0	0	0	0	0
DF	0	0	0	0	0	0	0	0	0	0	0	0	0
DG	0	0	0	0	0	0	0	0	0	0	0	0	0
DH	0	0	0	0	0	0	0	0	0	0	0	0	0
DI	0	0	0	0	0	0	0	0	0	0	0	0	0
DJ	0	0	0	0	0	0	0	0	0	0	0	0	0
DK	0	0	0	0	0	0	0	0	0	0	0	0	0
DL	0	0	0	0	0	0	0	0	0	0	0	0	0
DM	0	0	0	0	0	0	0	0	0	0	0	0	0
DN	0	0	0	0	0	0	0	0	0	0	0	0	0
DO	0	0	0	0	0	0	0	0	0	0	0	0	0
DP	0	0	0	0	0	0	0	0	0	0	0	0	0
DQ	0	0	0	0	0	0	0	0	0	0	0	0	0
DR	0	0	0	0	0	0	0	0	0	0	0	0	0
DS	0	0	0	0	0	0	0	0	0	0	0	0	0
DT	0	0	0	0	0	0	0	0	0	0	0	0	0
DU	0	0	0	0	0	0	0	0	0	0	0	0	0
DV	0	0	0	0	0	0	0	0	0	0	0	0	0
DW	0	0	0	0	0	0	0	0	0	0	0	0	0
DX	0	0	0	0	0	0	0	0	0	0	0	0	0
DY	0	0	0	0	0	0	0	0	0	0	0	0	0
DZ	0	0	0	0	0	0	0	0	0	0	0	0	0
EA	0	0	0	0	0	0	0	0	0	0	0	0	0
EB	0	0	0	0	0	0	0	0	0	0	0	0	0
EC	0	0	0	0	0	0	0	0	0	0	0	0	0
ED	0	0	0	0	0	0	0	0	0	0	0	0	0
EE	0	0	0	0	0	0	0	0	0	0	0	0	0
EF	0	0	0	0	0	0	0	0	0	0	0	0	0
EG	0	0	0	0	0	0	0	0	0	0	0	0	0
EH	0	0	0	0	0	0	0	0	0	0	0	0	0
EI	0	0	0	0	0	0	0	0	0	0	0	0	0
EJ	0	0	0	0	0	0	0	0	0	0	0	0	0
EK	0	0	0										

OPR XRMXX
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER
FISCAL YEAR 77

CUSTOMER GPN

CONTROL NUMBER
PAGE 10

REQUIREMENT	ORGANIC			CONTRACT			TOTAL		
	D	R	A	D	R	A	D	R	A
A	58090	0	172472	57672	0	61788	119460	0	234260
B	26871	0	11938	0	0	975	975	0	12913
C	94964	0	184410	57672	0	62763	120435	0	247173
D	109	0	757	0	0	5133	5133	0	5890
E	1161	0	3077	0	0	0	0	0	3077
F	1269	0	3839	0	0	5133	5133	0	4238
G	173	0	10370	0	0	61340	61340	0	147043
H	36	0	7168	0	0	0	0	0	7168
I	203	0	107538	0	0	46573	61340	0	169087
J	2695	0	17400	0	0	28239	29368	0	45609
K	2703	0	19422	0	0	0	0	0	2022
L	2587	0	583038	0	0	28209	29368	0	47631
M	5290	0	55680	0	0	322763	340537	0	905821
N	1247	0	56275	0	0	844	858	0	64424
O	5124	0	674993	0	0	105	105	0	36380
P	2210	0	5962	0	0	331632	349570	0	1066625
Q	17433	0	17894	0	0	0	0	0	5962
R	2800	0	2753	0	0	0	0	0	17894
S	487	0	162	0	0	0	0	0	2753
T	24120	0	46744	0	0	0	0	0	162
GRN TOT	132390	61	1036941	82375	9275	474410	566066	9342	1511351
ALLOCATIONS									
A	58090	0	172472	57672	0	50197	107869	0	190602
B	26871	0	11938	0	0	790	790	0	10137
C	94964	0	184410	57672	0	50987	108359	0	200739
D	109	0	757	0	0	4162	4162	0	4819
E	1161	0	3077	0	0	0	0	0	3077
F	1269	0	3839	0	0	4162	4162	0	2459
G	173	0	10370	0	0	37923	52884	0	7278
H	36	0	7168	0	0	0	0	0	119259
I	203	0	107538	0	0	37923	52884	0	6011
J	2695	0	17400	0	0	22327	24306	0	15270
K	2703	0	583038	0	0	0	0	0	26929
L	2587	0	55680	0	0	22327	24306	0	47003
M	5290	0	674993	0	0	22327	24306	0	1750
N	1247	0	5962	0	0	22327	24306	0	38679
O	17433	0	17894	0	0	22327	24306	0	736408
P	2800	0	2753	0	0	22327	24306	0	53132
Q	487	0	162	0	0	22327	24306	0	28818
R	24120	0	46744	0	0	22327	24306	0	818265
GRN TOT	132390	61	1036941	82375	9275	385607	477256	51	1248207

APPENDIX I
REPORT 6
DPEM REQUIREMENT
ALLOCATION SUMMARY BY TOTAL OF ELEMENT
OF EXPENSE IDENTIFICATION CODE

DPBM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMFI	EXCH	A/R/M	TOLL	1
78 AFR								
R 0	0	0	2742	0	21834	0	24576	
C	0	0	1804	0	12427	0	14231	
D 0	2152	0	0	0	0	229	2381	
C	7635	0	0	67	3214	0	10916	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT 0	2152	0	2742	0	21834	229	26957	
C	7635	0	1804	67	15641	0	25147	

DPBM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	2
78 ANG								
R 0	0	0	13462	0	46473	0	50935	
C	0	0	3614	0	22185	0	25799	
D 0	12719	0	0	1262	0	1324	15305	
C	14426	0	0	454	1785	0	16665	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
101 0	12719	0	13462	1262	46473	1324	75240	
C	14426	0	3614	454	23970	0	42464	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	3
78 DA								
R 0	0	0	0	0	0	0	0	
C	0	0	38	0	0	0	38	
D 0	0	0	0	2	183	20	205	
C	0	0	0	0	68	0	68	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT 0	0	0	0	2	183	20	205	
C	0	0	38	0	68	0	106	

DPBM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	FXCH	A/R/M	TOTL	4
78 DAF								
R C	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
D C	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
A 0	198481	3025	92596	20443	606203	21245	941993	
C	85473	16417	26991	20501	246797	0	396179	
TOT 0	198481	3025	92596	20443	606203	21245	941993	
C	85473	16417	26991	20501	246797	0	396179	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOLL	5
78 DN								
R 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
0 0	0	0	7596	2196	7162	128	17082	
C	306	0	7024	0	3601	0	10951	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT 0	0	0	7596	2196	7162	128	17082	
C	306	0	7024	0	3601	0	10951	

DPEN REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	6
7R MAC								
R 0	0	0	12321	0	59553	0	71874	
C	0	0	652	0	31175	0	31827	
D 0	43553	0	0	0	105	231	43889	
C	15236	0	0	0	0	0	15236	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT 0	43553	0	12321	0	59658	231	115763	
C	15236	0	652	0	31175	0	47063	

DPBM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	7
76 MAP								
R 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
D 0	0	0	0	4	0	84	88	
C	534	0	0	0	14	0	548	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT 0	0	0	0	4	0	84	88	
C	534	0	0	0	14	0	548	

DPEN REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOIL	8
78 SYS								
R 0	0	0	1607	0	7533	0	9140	
C	0	0	1210	0	4703	0	5913	
D 0	5351	1078	0	0	245	1042	7716	
C	1622	0	0	371	968	0	2961	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
101 0	5351	1078	1607	0	7778	1042	16856	
C	1622	0	1210	371	5671	0	8874	

DPBM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	9
78 0TH								
R 0	0	0	0	0	0	43	43	
C	87	0	287	0	0	0	374	
0 0	842	299	0	2	1677	19686	22506	
C	1643	0	0	38	1502	0	3183	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT 0	842	299	0	2	1677	19729	22549	
C	1730	0	287	38	1502	0	3557	

DPEN REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	10
78 TOT								
R 0	0	0	30132	0	135393	43	165568	
C	87	0	7605	0	70490	0	78182	
D 0	64617	1377	7596	3466	9372	22744	109172	
C	41402	0	7024	930	11152	0	60508	
A 0	198481	3025	92596	20443	606203	21245	941993	
C	85473	16417	26091	20501	246797	0	396179	
TOT 0	263098	4402	130324	23909	750968	44032	1216733	
C	126962	16417	41620	21431	328439	0	534869	

GLOSSARY OF TERMS

A	Direct Air Forces
A/B/M	Area Base Manufacture
AFR	Air Force Reserve
ALL \$	Allocated Dollars
ANG	Air National Guard
C	Contract
CUS	Customer
D	Direct Cite
DA	Department of the Army
DAF	Department of the Air Force
DC	Department of Commerce
DN	Department of the Navy
EEI	Element of Expense Identification
EEIC	Element of Expense Identification Code
ENG	Engines
EXCH	Exchangeables
FSC	Federal Stock Class
FY	Fiscal Year
KS	Logistic Subprogram Code
MAC	Military Airlift Command
MAP	Military Assistance Program
MD	Model Design
MDS	Model Design Series
MISS	Missile
MISTR	Management Items Subject to Repair
MODALC.	Summary by Manager. Report #4.
MODALL.	Process comparing requirements to dollar available and dollars are assigned in order of priority of weapon systems.
MODEXT.	Extraction of data from DPEM data base
MODMDS.	Process making common items and identifying them to "peculiar" weapon systems
MODPCS	Time sharing interface allows percentage choice of budget parameters for allocating DPEM funding.
MODPCT	Time sharing interface allows choice of budget parameter for allocating DPEM funding
MODREQ.	Summary by Customer. Report #5.
MODSUM.	Summary by Model Design. Report #1.
MODTOT.	Summary by total of element of Expense Identification Code. Report #6.
MODWBS	Process that merges two streams of "peculiar" data
MODPRI.	Summary by priority. Report #3.
MOD500.	Summary of items over \$500,000. Report #2.
O	Organic
OTH	All others

O/C	Organic/Contract, work types
PC	Pseudo Code
R	Reimburseables
REQ \$	Requirement Dollars
RGC	Repair Group Category
SYS	Air Force Systems Command
WBS	Workload Breakdown Structure
WM ALL \$	Cummulative allocated dollars
WM REQ	Cummulative requirement dollars

LOGISTICS PSEUDO CODES

The Logistics Pseudo Code (PC) is a four-character alphabetical code used to identify a particular line entry within the automated Program Management System (K011A) and the DPEM program.

Oklahoma City Air Logistics Center	(OC-ALC)	DAAA-DZZZ
Ogden Air Logistics Center	(OO-ALC)	EAAA-EZZZ
San Antonio Air Logistics Center	(SA-ALC)	FAAA-FZZZ
Sacramento Air Logistics Center	(SM-ALC)	HAAA-HZZZ
Warner Robins Air Logistics Center	(WR-ALC)	JAAA-JZZZ
Aerospace Guidance and Metrology Center	(AGMC)	RAAA-RZZZ

From a Headquarters AFLC viewpoint, the first letter denotes the ALC, and the last three letters, AAA to ZZZ, are internally assigned and controlled by the ALC.

REPAIR GROUP CATEGORY

A Repair Group Category (RGC) is a one-digit alpha or numeric character that identifies the system(s) Federal Stock Class (FSC) or program for which a maintenance workload may exist and against which an expenditure of manhours may be charged.

- A = Aircraft - Programmed
- B = Aircraft - Non-Programmed
- C = Missile - Programmed
- D = Missile - Non-Programmed
- E = Engines - Programmed
- F = Engines - Non-Programmed
- G = Other Major End Items (OMEI) - Programmed
- H = OMEI - Non-Programmed
- J = MISTR (Organic/Contract)
- K = Negotiated Project Directive (Non-MISTR)
- L = Exchangeable - Non-Programmed
- M = Area Support - Organic only
- N = Base Support - Organic only
- P = Manufacture - Air Force Stock Fund - AFSF
- R = Manufacture - Non-AFSF
- S = Special - Organic only
- W = D/M Overhead - Organic only

- 1 = Aircraft Storage
- 3 = Detachment #41, Vanderburg

5 = PME Calibration

7 = AFLC Contract Base Maintenance

8 = Contract Service Engineering

9 = Preparation of Reproducible Copy of Data

WORKLOAD BREAKDOWN STRUCTURE

The Workload Breakdown Structure (WBS) contains three (3) elements.

The first element (1st digit) is the major category codes that identifies one of seven major categories of weapons or equipment end items to which a workload may be assigned. (See 1, below)

The second element (2nd, 3rd and 4th digit) is a weapon or equipment end item defined as an instrument of combat or combat support employed in the accomplishment of a military mission. It consists of a final combination of assemblies, subassemblies, parts, and materiels which together perform a complete operational function and is ready for its intended use, i.e., vehicle, missile aircraft, ship, tank, communications system. (See 2, below)

The third element (5th digit) is the workload breakdown structure code used to provide further breakdown of the seven major categories of weapons or equipment end items for which requirements may generate. (See 3, below)

1. Major Category Code:

<u>Category</u>	<u>Code</u>
Aircraft	1xxxx
Missile	2xxxx
Ship	3xxxx
Vehicles	4xxxx
Electronics and Communications Systems	5xxxx
General Purpose Equipment	6xxxx
Ordnance Weapons and Munitions	7xxxx

2. Weapons or equipment end item specific codes used are as follows:

Aircraft

BCA = C131A	BFE = RF004C	BXZ = C007Z	DCX = C117X
BCB = C131B	FBB = F004D	BYA = C008	DDF = OH023F

BCD = C131D	BFG = F004E	BZA = HH053B	DEA = C054D
BCE = C131E	BFH = F004G	BZB = CH053C	DEB = HC054D
BCG = C131X	BFJ = F004J	BZC = HH053C	DEC = TC054D
BCH = VC131H	BHA = F102A	CFA = A001E	DEX = C054X
BCJ = T029A	BHB = TF102A	CGA = 0002A	DEZ = C054Z
BCK = VT029A	BJA = F111A	CQA = C009A	DFC = CH034C
BCL = VT029B	BJC = F111C	DAE = OH013E	DFD = UH034D
BCM = VT029B	BJD = F111D	DAG = OH013G	DFJ = UH034J
BCN = F004A	BJE = F111E	DAH = OH013H	DHA = C118A
BCP = VT029C	BJF = F-11F	DCA = C047	DHB = VC118A
BCR = T029D	BJG = RF111A	DCB = EC047Q	DHX = C118X
BCS = VT029D	BKA = F106A	DCC = EC047	DJC = C124C
BDB = U010B	BKB = F106B	DCD = HC047	DKA = TB026
BDD = U010B	BPA = UD17A	DCE = RC047	DKB = VB026B
BFA = F004A	BPB = J017B	DCF = TC047	DKK = B026K
BFB = F004B	BPC = U017C	DCG = VC047	DLA = EB066B
BFC = RF004B	BRA = FB111	DCH = C047X	DLB = RB066B
BFD = F004C	BXA = C007A	DCM = C117	DLC = EB066C
DLD = EB066D	FLA = C135A	GUC = F101C	LFR = EC121R
DLB = FB066E	FLB = EC135A	GUD = RF101C	LFX = C121X
DMA = C133A	FLC = RC135A	GUG = RF101G	LGA = C130A
DMB = C113B	FLD = RC135A	HGA = T034	LGB = DC130A
DUA = S-02D	FLE = C135B	HHA = CH047	LGC = WC130A

DVA = C010	FLF = WC135B	JCB = HH043B	LGD = AC130A
DZB = OU022B	FLG = EC135C	JCF = HH043F	LGE = RC130A
ECJ = F089J	FLH = RC135C	JHA = C141	LGH = C130B
EVA = OV10A	FLJ = RC135M	KCA = RB057A	LGJ = WC130B
FEA = B047B	FXA = F015	KCB = B057B	LGL = C130D
FEB = TB047B	GAB = UH001B	KCC = B057C	LGN = C130E
FED = B047E	GAD = UH001D	KCD = EB057D	LGP = DC130E
FEE = RB047E	GAF = TH001F	KCE = B057E	LGR = WC130E
FEG = WB047E	GAF = UH001F	KCF = B057G	LGS = HC130H
FEH = RB047H	GAH = UH001H	KCH = RB057F	LGT = HC130N
FFD = WB050D	GAN = UH001N	LCA = T033A	LGX = C130X
FGA = B052A	GBA = HU016A	LCB = DT033A	LGY = C130Y
FGB = F052B	GBB = HU016B	LCC = RT033A	LHA = C005A
FGC = B052C	GCA = C142	LCX = T033X	LJA = VC006A
FGD = B052D	GEA = U006	LGY = QT033X	LKA = QF104
FGE = B052E	GJA = CH021A	LFA = C121A	LKB = F104A
FGF = B052F	GJB = CH021B	LFB = C121C	LKC = F104B
FGG = B052G	GJC = HH021B	LFC = RC121C	LKD = F104C
FGH = B052H	GMA = U007	LFD = EC121D	LKE = F104D
FHC = C097L	GNA = U004A	LFF = EC121T	LKF = F104G
FHD = C097D	GPA = A037	LFG = C121G	LKG = RF104G
FHG = KC097G	GUA = F101B	LFH = EC121H	LKH = TF104G
FHL = KC097L	GUB = RF101B	LFK = EC121K	MAD = A007D

MEG = T006G	RDA = C119C	TXA = T043	13A = AX
MFA = T028A	RDB = C119G	WDA = HH019A	14A = U001A
MFB = T028B	RDD = C119J	WDB = HH019B	15A = B045
MFD = T028D	RDE = AC119G	WDD = UH019D	16A = F008X
MJA = F086D	RDF = AC119K	XCA = VC137A	17A = T002X
MJB = F086F	RDX = C119K	XDA = C140	18A = P002X
MJC = RF086F	REB = C123B	XEA = T038A	19A = E003A
MJD = F086F	REJ = C123J	XFA = T039	20A = AU23A
MLA = F100A	REK = C123K	XFX = T039X	21A = AU24A
MLC = F100C	REY = C123Y	XHA = C046	22A = C00XX
MLD = F100D	SCE = 0001E	XJA = F005A	23A = EC747
MLF = F100F	SCF = 0001F	XJB = RF005A	24A = B1
MSA = F051	SEB = T037B	XJC = F005B	25A = C-11
NDA = F084F	SFA = U003A	XJE = F005E	26A = MH-15
NDB = RF084F	THB = CH003B	XXA = B058A	27A = F37A/T45
NEB = F105B	THC = CH003C	11A = T041A	28A = A7
NED = F105D	THE = CH003E	11D = T041D	888 = Other
NEF = F105F	THY = HH003Y	12B = A004B	999 = Common
NEG = F105G			

Missiles

ACD = CGM016D	AHG = LGM030G	JBA = AGM65A	22A = PGM043
ACE = CGM016E	ADA = 437/BURN	SBA = MQM013A	23A = BQM034A
ACF = HGM016F	BMA = WS96	SBB = CGM013B	23F = BQM034F

AEC = LGM025C	CEA = HGM025A	VEA = DSP	888 = Other
AHB = LGM030B	FBA = COM010A	21A = PGM017A	999 = Common
AHF = LGM030F	FBB = CIM010B		

Ship Systems

"333"

Vehicle Systems

"444"

Electronics & Communications Systems

CZA = 440L	ZJA = 474L	2BA = 427M	3KA = 490L
CPA = MCGS	ZKA = 404L	3AA = 439L	3LA = 493L
ELA = 441D	ZMA = 494L	3BA = 469L	3LB = ZS
XLA = 414L	ZNA = 492L	3CA = 484L	3LC = JA
XMA = 416P	ZRA = 407L	3DA = 484N	3LD = ZX
XNA = 418L	1AA = 416L	3EA = 486L	3LE = ZE
ZAA = 496L	LBA = 416M	3FA = 487L	3LF = ZU
ZBA = 412L	1CA = 416O	3GA = 487M	3LG = ZV
ZEA = 433L	1DA = 474N	3HA = 488L	4AN = GPS-T2
ZFA = 465L	2AA = 425L	3JA = 489L	5AN = GPQ-76
ZGA = 466L			

General Support Systems

"666"

Ordnance Weapons and Munitions

"777"

3. Workload Breakdown Structure Codes:

I Aircraft

A = Airframe

II Missiles

A = Missile Frame

B = Engine

C = A/C Acc/Comp

D = A/C Electr/Comm

E = A/C Armament

F = A/C Supp Equip

G = A/C Other

III Ships

Constant 3333X ships

B = Msl Prop Sys/Comp

C = Msl Acc/Comp

D = Msl Supp & Launch

E = Msl Guid Sys/Comp

F = Msl Grd Comm/Cent

G = Msl Other

IV Vehicles

Constant 4444X vehicles

V Electronic & Communications Systems

A = Sta Sys/Comp

B = Mobile Sys/Comp

C = Port Sys/Comp

VI General Purpose Equip

Constant 6666X General Purpose Equipment

VII Ordnance Weapons and Munitions

Constant 7777X